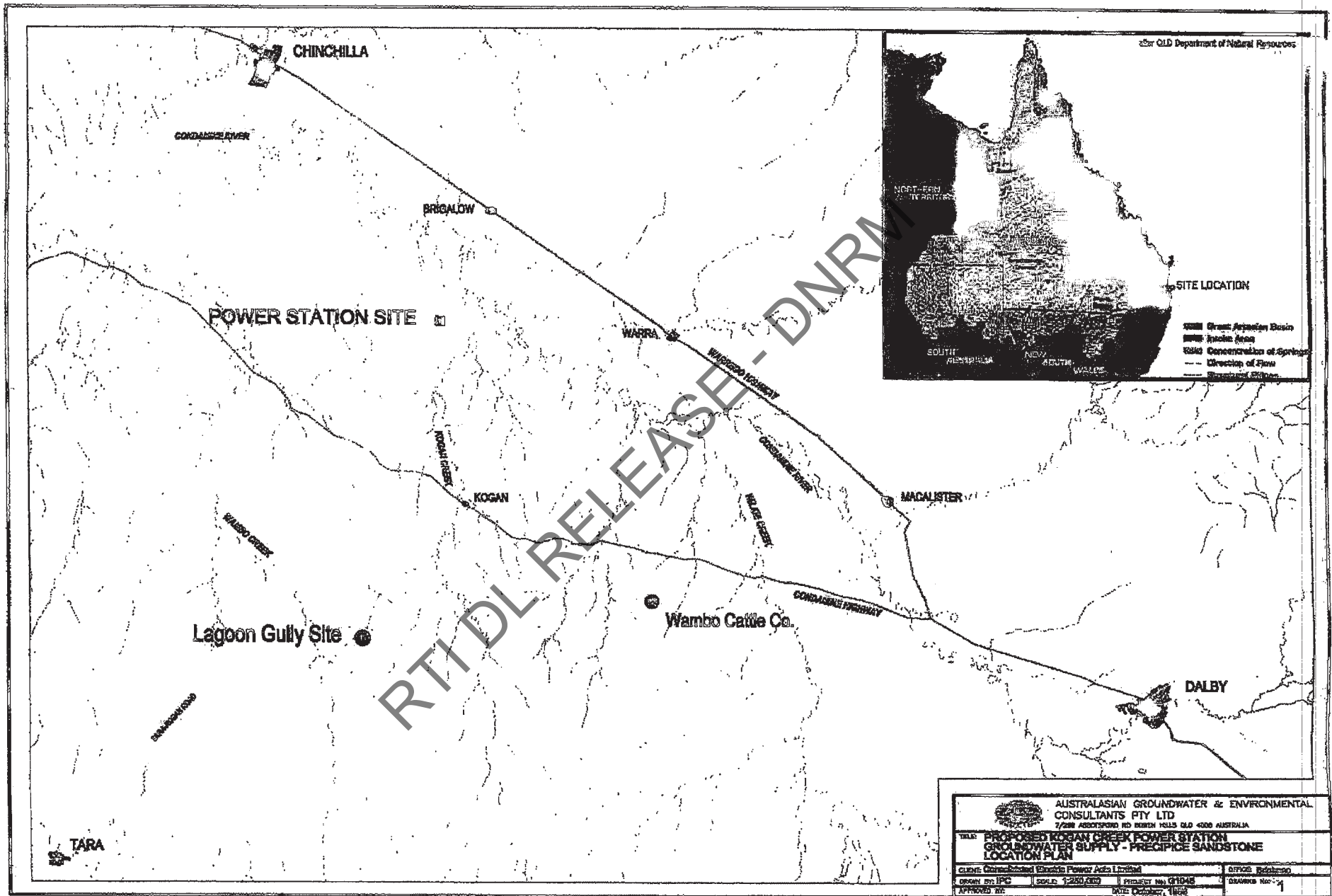
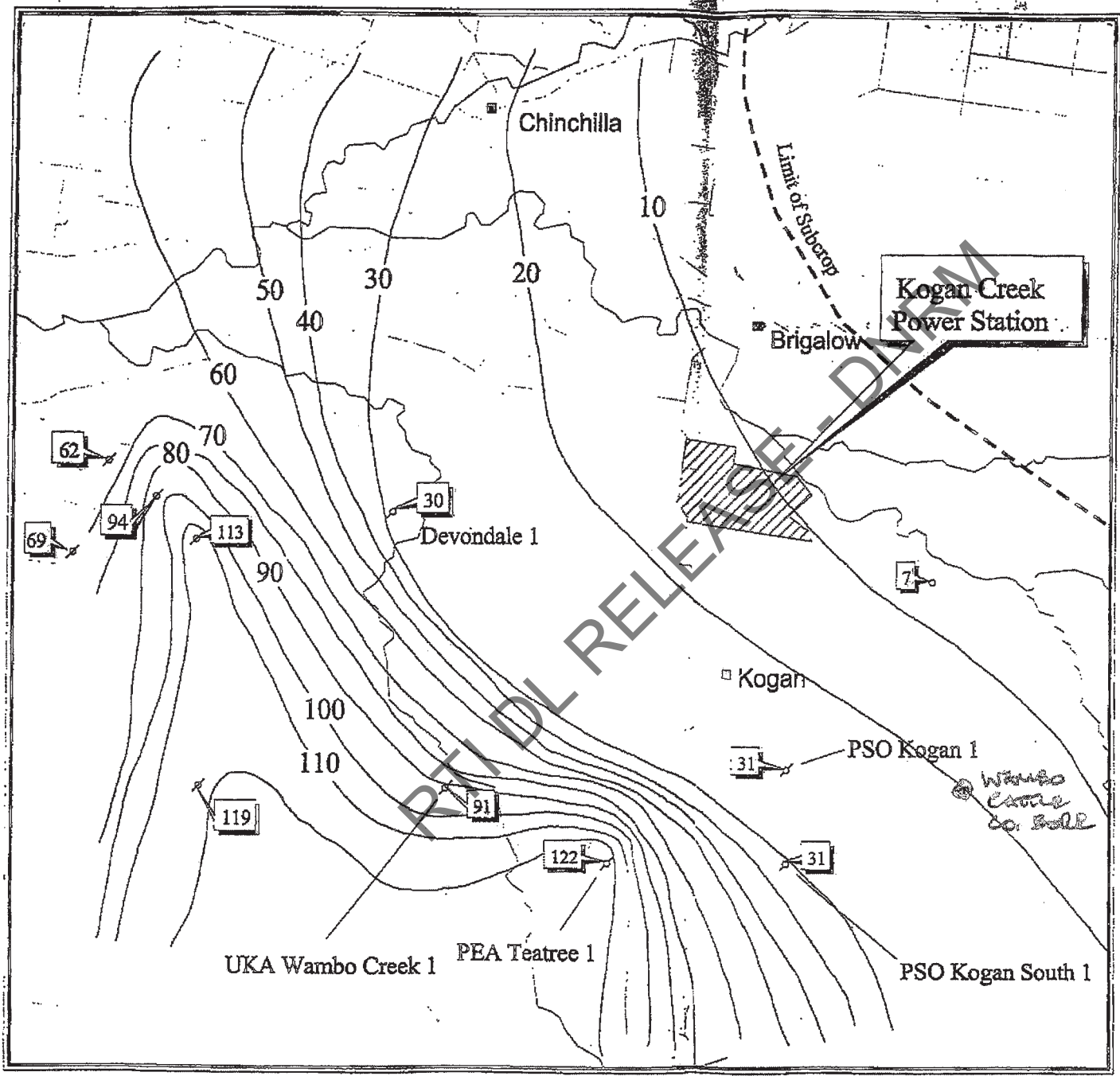


MAP

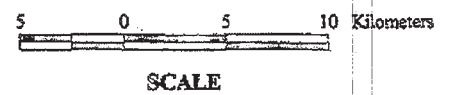
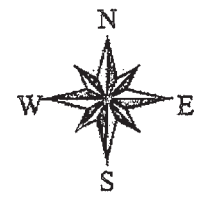


MAP 2



**LEGEND**

- Precipice Isopachs (metres)
- Data Points (metres)
- Petroleum Exploration Wells
- Water Bore
- Power Station
- Towns
- Roads
- Rivers

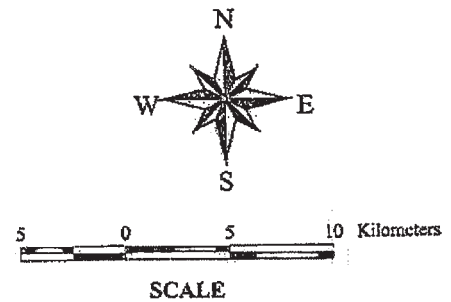
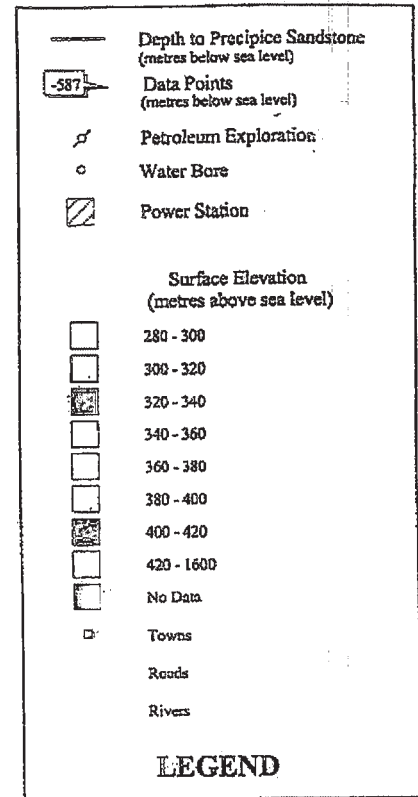
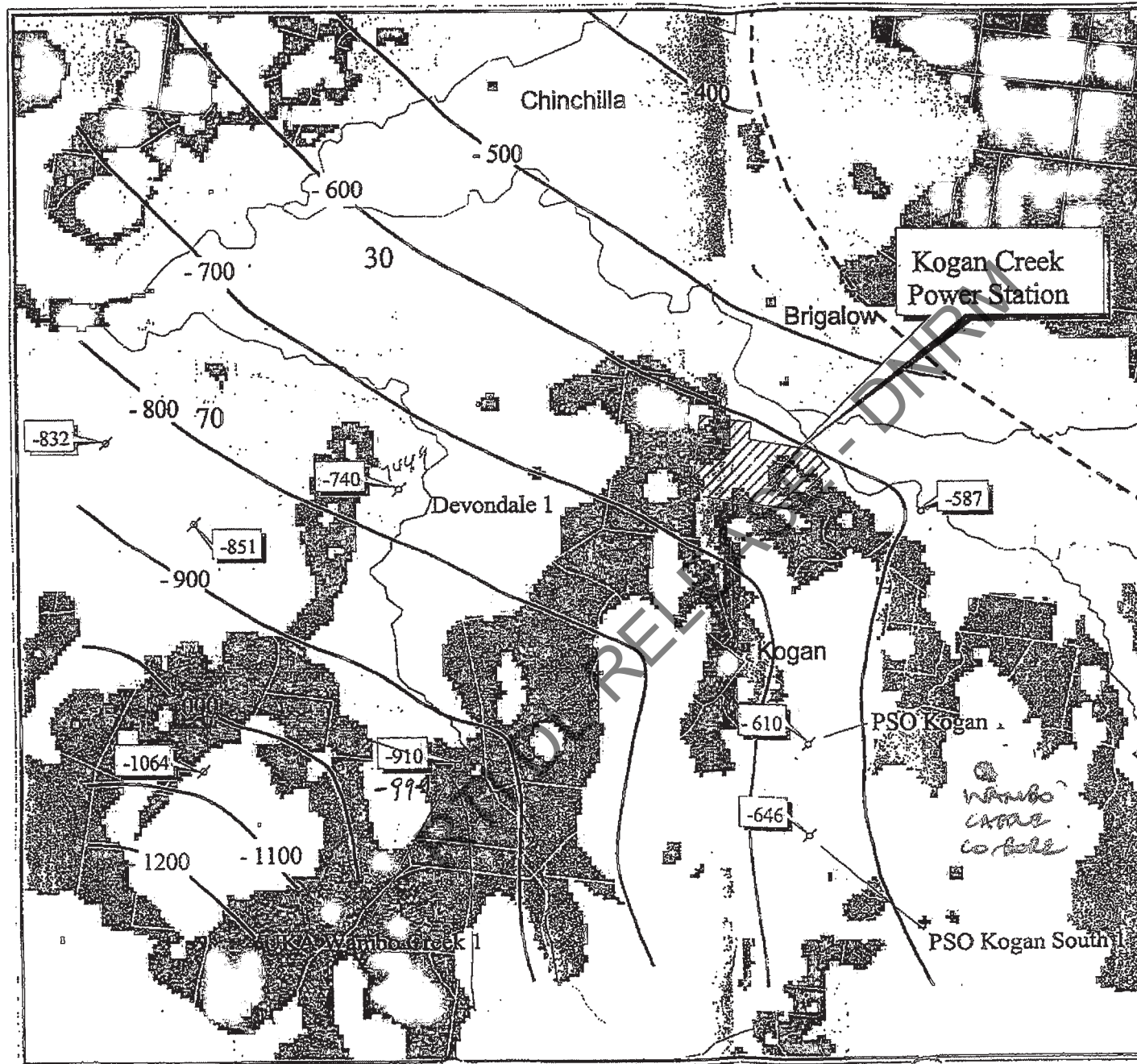


RESOURCE SCIENCES CENTRE

Kogan Creek Power Station

Thickness of Precipice Sandstone (Isopachs)

16203



**RESOURCE SCIENCES CENTRE**

Kogan Creek Power Station  
 Structure Contours -  
 Top of Precipice Sandstone



Author Brooke Nolan  
File / Ref TMB/515/004(5188)  
Water Services  
Phone: 46881000

Department of  
Natural Resources and Water

19<sup>th</sup> September 2007

Wambo Cattle Company Limited  
ATT: Max Winders  
PO Box 3137  
BRISBANE QLD 4401

Dear Sir

**Status of Water Licence Application and Release of Unallocated Water from the Great Artesian Basin**

It is noted that you have a water licence application for water from the Great Artesian Basin (GAB). This letter is to advise you of the status of your water licence application and the process for release of unallocated water under the *Great Artesian Basin Resource Operations Plan 2006* ('the ROP').

On the 31 March 2006 the *Water Resource (Great Artesian Basin) Plan 2006* ('the WRP') was released. The WRP provides a framework for the sustainable allocation and management of water in the GAB. Section 10 of the WRP identifies that the chief executive must not make a decision that would increase the average volume of water that may be taken in the plan area; this includes a decision about an application for a water licence, made but not decided before the commencement of this plan.

The ROP was released in February 2007. The ROP details the arrangements for implementing the WRP (see attached ROP summary).

Specifically, Chapter 9 of the ROP outlines that applications made before the commencement of the WRP, for new or increased water within the plan area must be refused by the chief executive, unless the WRP or this plan explicitly provides for dealing with the application.

**Mechanisms to access new water**

New or increased water within the plan area can be obtained through either the release process for unallocated water or through relocation of existing water entitlements.

GW

Natural Resources and Water  
PO Box 318  
Toowoomba  
Queensland 4350 Australia  
Telephone + 61 7 46881000  
Facsimile + 61 7 46881188  
Website [www.nrw.qld.gov.au](http://www.nrw.qld.gov.au)  
ABN 83 705 537 586

## Release of General Reserve Unallocated Water

Schedule 5 of the WRP identifies volumes of general reserve water available in each management area. The process for dealing with unallocated water is outlined in Chapter 2 of the ROP and is summarised below.

### Stage 1 – Public invitation for applications to register an interest in unallocated water

The public notice will state the necessary details including the management area, management unit and maximum volume of water which may be available. The public notice calling for registrations of interest in the Surat, Surat East, and Surat North management areas of the GAB WRP are to be published in local newspapers in these management areas from the 13 to 19 September 2007, depending upon publishing date.

Applications to register an interest in unallocated water must be made in the approved form and be accompanied by the prescribed fee. A copy of the public notice, application forms to register an interest and guidelines have been attached.

### Stage 2 – Fixed price process or tender process

Once applications to register an interest in unallocated water have been received, the chief executive will decide if any unallocated water will be released and, if so, whether there will be a fixed price process or tender process.

If the fixed price process is used, there will be a public invitation to apply for a water licence. These applications will be dealt with in order they are received.

If the tender process is used, only those whose interest in unallocated water was registered in Stage 1 will be invited to tender. Details relating to the tender process are outlined in Chapter 2, Division 2 of the ROP.

### **Relocation of Water**

Relocation of water is the ability to permanently relocate volumetric water licences to other land within the same management area and management unit, to enable a form of trading. Chapter 6 of the ROP outlines rules for relocation of water licences.

For further information on the GAB general reserve unallocated water release process or relocation of water licences, please contact either Adrian McKay or Brooke Nolan on (07) 4688 1000.

Yours sincerely

s.49 - Signature

Adrian McKay  
Senior Planning Officer (Groundwater)  
**SOUTHWEST REGION**  
**TOOWOOMBA**

# FACSIMILE TRANSMISSION



**Queensland  
Government**  
Natural Resources  
and Mines

## IMPORTANT NOTICE: CONFIDENTIALITY AND LEGAL PRIVILEGE

This facsimile is intended only for the addressee and may contain legally privileged and confidential information. If you are not the addressee, you are notified that any transmission, distribution, or photocopying of this facsimile is strictly prohibited. The legal privilege and confidentiality attached to this facsimile is not waived, lost or destroyed by reason of a mistaken delivery to you. If you have received this facsimile in error please immediately notify me by telephone and return the original facsimile to me at my address.

**DATE:** 7<sup>th</sup> June 2005  
**TO:** Max Winders  
**FACSIMILE NO.:** 30025588  
**FROM:** Brooke Laycock, Technical Officer  
**SUBJECT:** Water Licences, and Development Permits  
**NO. OF PAGES (Inc. Cover)** 10

## MESSAGE

Max

To confirm discussions with Adrian McKay on the 7/06/05 regarding your fax dated the 11/05/05 and situation, I have outlined the current Water Licences, Development Permits and Applications for Wambo Cattle Company Limited:

- **Water Licence Application 28713**

Application 28713 is for the take water from the Hutton Sandstone for Stock Intensive Purposes for an entitlement of 360ML per water year.

On 19<sup>th</sup> February 2005, the Minister for Natural Resources and Mines gave notice of the decision to implement a Moratorium on dealing with Water Licence applications to take water from aquifers of the Great Artesian Basin and Eastern Downs Subartesian Areas. This Moratorium has been implemented pending the completion of a Water Resource Plan (WRP) for the Great Artesian Basin.

It is confirmed that the above application is subject to this Moratorium. You are therefore advised that the Department will now be holding the application, along with other applications subject to the Moratorium, until the conclusion of the WRP.

- **Water Licence 94461R**

Water Licence 94461R authorises the take of water from the Precipice Sandstone for Stock Intensive purposes. This Water Licence is currently under amendment to increase entitlement from 360 to 480 ML per water year. Please note that application 10695 is also subject to the Moratorium (as mentioned above).

As there is no current Development Permit to construct works into the Precipice Sandstone, you need to apply for a new Development Permit to be linked to Water Licence 94461R. I have attached a Part A and Part K1 application forms.

## Natural Resources and Mines

Enquiries to: Brooke Laycock

Natural Resources & Mines  
PO Box 318, Toowoomba Q 4350  
Telephone: 4881000 Fx: 46881188

**Development Permit 168566**

orks constructed under Development Permit 168566 are taking water from the Hutton Sandstone; therefore you are required to apply for a Water Licence to take water for stock and domestic purposes from this formation. I have attached an application for a Licence to Take Water.

If you have any further questions please contact either Adrian McKay or Brooke Laycock on 46881000.

Regards

s.49 - Signature

Brooke Laycock  
Technical Officer  
Toowoomba

RTI DL RELEASE - DNRM



**Max Winders & Associates**

Consulting Engineers & Environmental Scientists  
Level 15, Brisbane Club Tower,  
241 Adelaide Street, Brisbane  
GPO Box 3137, BRISBANE QLD 4001

**Facsimile  
Transmission**  
Telephone: (07) 3002 5500  
Facsimile: (07) 3002 5588

**Job Name:** Wambo Cattle Copmany  
**Date:** 11 May 2005  
**Time:** 10.45 am

**To:** Department of Natural Resources & Mines  
**Attention:** Ms Judy Mercer  
**Re:** Licence 94461R  
**Fax No.:** 4688 1188  
**From:** **MAX WINDERS** (email: [maxw@maxwinders.com.au](mailto:maxw@maxwinders.com.au))  
**Total Pages (including this page):**

**Message**

Thank you for sending the details on Licence 173007 regarding extraction from the Walloons.  
With regard to pump testing the bore into the Precipice constructed in accordance with Licence 94461R, we carried out pump testing on this bore after it was deepened and the bore casing shot as approved.

The pump was run for 12 hrs at 2.0 litres/sec before drawing down close to the 200 metre depth pump setting. The tester was asked to provide a pump capable of drawing down to 300 metres. Thus the test was discontinued and I did not obtain a record because of a dispute over the above.

Nevertheless, at 2.0 litres/sec, which would have been consistent with the nearby Wilkie Creek bores, this bore would not have supplied the 360 ML/yr nominal allocation attached to the licence. Its location is such that, at this stage of the feedlot development (2000 head), we have not equipped this bore but, with the current drought situation limiting the available water from our surface water supply and a feedlot development program which could take us to 8000 head within the year, it is considered that we would need to equip it to supply at least 60 ML/yr before the end of the year.

However, we spent a considerable amount of money and time on reviewing the available geophysical data before proceeding with deepening the bore to 1100 metres and then shooting the casing higher up. We have formed the opinion that the Precipice Formation below our site is braided rather than continuous and that, after the feedlot is expanded past 8000 head we would undertake a detailed geophysical examination before selecting a site for another bore which may yield better. We have obtained a budget cost of \$ 50,000 for this study to be undertaken.

Page 1 of 3  
MWA Faxtem\_05/01

Max Winders & Associates Pty Ltd

is considered that, with the amount of drilling being carried out by Arrow Energy to develop its adjacent Logan North and Daandine coal seam gas fields, there is now a considerable amount of data that could be used to support our geophysical studies. The Arrow leases extend into Lot 125.

It would be appreciated if we could be given a formal allocation of at least 60 ML/yr to extract from the existing bore (which has cost us approximately \$ 300,000 thus far) and whether or not, under the existing licence, we are able to proceed with developing another bore into the Precipice on Lot 125 in a more-appropriate location.

Please contact me if any further information would assist.

Yours sincerely

s78B(2) - Personal Information

M.F. WINDERS

RTI DL RELEASE - DNRM

# FACSIMILE TRANSMISSION

## IMPORTANT NOTICE: CONFIDENTIALITY AND LEGAL PRIVILEGE

This facsimile is intended only for the addressee and may contain legally privileged and confidential information. If you are not the addressee, you are notified that any transmission, distribution, or photocopying of this facsimile is strictly prohibited. The legal privilege and confidentiality attached to this facsimile is not waived, lost or destroyed by reason of a mistaken delivery to you. If you have received this facsimile in error please immediately notify me by telephone and return the original facsimile to me at my address.



**Queensland  
Government**

**Natural Resources  
and Mines**

**DATE:** 11 May 2005  
**TO:** Max Winders, Wambo Cattle Co Ltd  
**FACSIMILE NO.:** 07 3002 5588  
**FROM:** Judy Mercer  
**SUBJECT:** Water Licences  
**NO. OF PAGES (Inc. Cover)**  
**MESSAGE**

Please find copy of licence 173007 as requested. Your receipt for your payment will be sent to you my mail.

With regards to your enquiry regarding Licence 94461R, could you advise if a pump test has been carried out on this bore and if so, could you please forward a copy to this Office.

If you require further information, please do not hesitate to contact this Office.

*Judy Mercer  
Administrative Officer  
Department of Natural Resources & Mines - Toowoomba  
Phone: 07 4688 1000  
Fax: 07 4688 1188*

## DEPARTMENT OF NATURAL RESOURCES & MINES

Enquiries to:  
Tor Street Toowoomba Qld 4350  
PO Box 318 TOOWOOMBA Qld 4350  
Telephone: (07) 46 88 1000 Facsimile: (07) 46 88 1188



# Max Winders & Associates

Consulting Engineers & Environmental Scientists  
 Level 15, Brisbane Club Tower,  
 241 Adelaide Street, Brisbane  
 GPO Box 3137, BRISBANE QLD 4001

## Facsimile Transmission

Telephone: (07) 3002 5500  
 Facsimile: (07) 3002 5588

**Job Name:** Wambo Cattle Company  
**Date:** 4 June 2001  
**Time:** 3 pm

**To:** Department of Natural Resources, Toowoomba  
**Attention:** Mr Adrian McKay  
**Re:** G 94461  
**Fax No.:** 4688 1188  
**From:** **MAX WINDERS** ([email: maxw@maxwinders.com.au](mailto:maxw@maxwinders.com.au))  
**Total Pages (including this page):** 2

### Message

Dear Adrian,

As you are aware, drilling to a depth of 1051m BGL (- 705m AHD), with the casing cemented to 920m BGL (- 566m AHD), failed to show production of water under normal airlift development following completion. The water level rose very slowly, stabilising at approximately 30m BGL. The borehole was gamma logged in the open hole interval 920 - 1059m BGL and inside the 168mm bore casing from 920m to ground surface.

A copy of the drilling log, gamma logging trace and the consultant's report are being forwarded under separate cover.

As a consequence, it was considered that no basal sands, typical of the Lower Precipice, had been intersected and that further drilling, to the maximum 1200m allowed under the licence, should be contemplated.

Following extensive investigations into relevant petroleum drilling reports, the geophysical information was examined by a consultant who concluded from this, given the uncertainties in the seismic process, that the Top Precipice may have had a nominal depth in excess of 1050m BGL at the site and that it was feasible that the WCC borehole may not have entered the Precipice sandstone (see report included with other attachments).

As the material being recovered near the end of the drilling program was not conclusive of having reached the basement rocks, arrangements were made to have the borehole extended. Subsequently, the slotted casing was removed and the hole drilled to 1101m BGL (- 747 AHD) before the rate of drilling became so slow and the

Max Winders & Associates Pty Ltd

ure of the chips recovered from the hole was such, that drilling was terminated at that point. Since then the chips have been further analysed and the conclusions regarding reaching an effective basement have been confirmed (see attachments).

It might therefore be concluded that the seismic information may have been inappropriate for locating the basal sands in the Lower Precipice or that they are not present at the site, even if upper layers of the Precipice extend eastwards below the site.

The following information suggests that the cased and cemented section of the hole (to 920m BGL, - 566m AHD) may extend significantly into other aquifers comprising the Precipice Formation:

- The licence for B 94029 allowed for water to be extracted from the Hutton and the Precipice to a maximum depth of 900m BGL (- 550m AHD approx.)
- The drilling log for B 94029 showed layers of sands between 882m and 906m BGL.
- The drilling log for G 94461 showed sandstone in the region 888m to 901.5m BGL.
- Hydrogeological reports prepared by DNR for the Lagoon Gully bore showed the top of the Precipice to be higher than approximately 550m below AHD (less than 900m BGL) at the WCC site and for the thickness of the aquifer to be approximately 15 metres.
- The gamma log for G 94461 shows indications of aquifer materials in the range 894m to 906m BGL, as did the samples of drilling chips.

Permission is therefore requested to perforate the casing above 920m BGL into this inferred section of the Precipice Formation.

Please contact me if any further information would assist.

Regards,

Max Winders

**Mckay Adrian**

**From:** Mckay Adrian  
**Sent:** Monday, 7 October 2002 10:30 AM  
**To:** Max Winders (E-mail)  
**Cc:** Wade Stuart  
**Subject:** Wambo Cattle Co - Licence No 94461R

Max,  
as per our discussions some time ago. The Hutton Sandstone has been identified at 590 - 815 m. I understand you have requested NR&M Indooropilly to shoot casing in the above hole.

As indicated at our earlier meeting, permission to access aquifers in the Hutton would be for a stock bore only. Application 28713 is still a current application to access the Hutton Sandstone.

Approval is given to access potential aquifers by shooting casing below 820m in Licence No 94461R

Regards

*Adrian McKay*

*Senior Technical Officer*

*Natural Resources & Mines*

*203 Tor St*

*PO Box 318*

*Toowoomba QLD 4350*

*Ph: 07 4688 1030*

*Fax: 07 4688 1188*

*Mb: 0427 063 593*

*Email: adrian.mckay@nrm.qld.gov.au*

*Max,*  
*email I sent which didn't get through.*

*Regards*

*Adrian McKay*

RTI DL RELEASE - DNRM

# Max Winders & Associates

Co. Mining Engineers & Environmental Scientists

Ref: L5300/MFW

16 February 2000

Department of Natural Resources  
TOOWOOMBA QLD 4350.

Per Fax: 4688 1188

Attention: Mr Adrian McKay

Dear Adrian

Re: Waterworks Licence No. G 94461 - Wambo Cattle Co Limited

Thank you for last night's facsimile regarding the 94029 licence details and a process to determine the required depth for the second cementing.

The advice you provided answered the queries I raised. As a result there is no necessity for the FOI application to be pursued and I have advised the Administrative Review office accordingly, as indicated in the attached copy of today's fax to them.

I have discussed your recommendations with our consultant, Mr Ian Callow, who has given instructions to Daly Bros. to start looking for a change beyond 900 metres depth. He has contacted the Department's Mr Stuart Wade regarding the likelihood that casing the current section should commence tomorrow, so that he will be available to log the bore accordingly.

You will be advised as soon as the drillers advise of a change. They are currently at 850 metres and drilling at 4 metres per hour.

Thank you for your assistance.

Yours sincerely

s78B(2) - Personal Information

M. F. Winders

20 July 2000



**NATURAL  
RESOURCES**

Anderssen & Company Solicitors  
PO Box 163  
FORTITUDE VALLEY QLD 4006

ATT: Dale Ellerman

Dear Mr Ellerman

**WAMBO CATTLE COMPANY GROUNDWATER LICENCE**

I note that you are acting on behalf of Wambo Cattle Company and refer to your fax dated 20 July 2000 regarding the above matter and advise as follows.

Waterworks Licence No. 94461R is currently under renewal and is being held until confirmation that bore construction is completed. The licence is current when under renewal.

Upon completion and pump testing of the bore to the satisfaction of the Department, and providing the pump test indicates that the bore is capable of producing a sufficient supply rate, an allocation of 360 megalitres will be granted to Wambo Cattle Company.

A further application to increase the allocation from 360 to 480 megalitres has been held pending the construction and pump testing of a bore under Waterworks licence No.94461R. If a sufficient supply rate is found to service an allocation greater than 360 megalitres and up to 480 megalitres, the allocation will be approved subject to similar conditions.

If you are uncertain of anything in the letter, please contact this office at the address below.

Yours faithfully

s.49 - Signature

For Principal Officer (Water Resource Allocation & Management)  
**DARLING DOWNS DISTRICT**  
**TOOWOOMBA**

**D E P A R T M E N T   O F   N A T U R A L   R E S O U R C E S**



Enquiries to: Mr Adrian McKay      Our Ref: T 5188  
203 Tor Street Toowoomba Qld 4350 P.O. Box 318,  
TOOWOOMBA Qld 4350  
Telephone: (07) 4688 1000 Facsimile: (07) 4688 1188

**RESOURCE MANAGEMENT**





Anderssen & Company Solicitors  
Established 1955  
ABN 67 934 699 793

Anderssen House  
105 Alfred Street  
Fortitude Valley  
Brisbane Q 4006 Australia

PO Box 163 Fortitude Valley Q 4006  
DX 40507 Fortitude Valley

Telephone: (07) 3252 7772  
Facsimile: (07) 3252 3563  
Email: [anlawyer@powerup.com.au](mailto:anlawyer@powerup.com.au)

### FACSIMILE TRANSMISSION

**DATE:** July 20, 2000

**TO:** Adrian McKay

**FACSIMILE NO:** 4688 1188

**RE:** Wambo Cattle Company --v- Powerlink

**SENDER:** Dale Ellerman

**FILE REFERENCE:** DBE:SM:980342

**TOTAL PAGES:** 1 (INCLUDING COVER)

**IF ALL PAGES ARE NOT RECEIVED CLEARLY OR AT ALL, PLEASE CONTACT THE SENDER.**

This facsimile transmission contains confidential information intended only for the use of individual/s named on the transmission sheet. This faxed information is private and protected by the law. If you are not the intended recipient, take note that any disclosure, copying, distribution or the taking of any action in reliance of the contents of this facsimile transmission is strictly prohibited. If you have received this transmission in error, please notify us by telephone immediately so that we can arrange for the return of the document to us.

**MESSAGE:**

Dear Sir

Further to the conversation between Dale Ellerman and Adrian McKay we would be obliged if you would provide us with a letter confirming the following matters:-

1. The Waterworks Licence which has been granted in favour of Wambo Cattle Company Limited over Lot 125 on CP DY316 is currently under renewal;
2. Provided that the works to construct the bore are completed and that it can be demonstrated that the bore can extract sufficient water, it is envisaged that an allocation of 360 mega litres per year will be granted; and
3. Provided that the bore's capacity is demonstrated to be satisfactory, it is envisaged that the further application to increase the allocation to 480 mega litres per year will also be granted.

Yours faithfully  
**ANDERSSSEN & COMPANY SOLICITORS**

s.49 - Signature

# FACSIMILE TRANSMISSION

## IMPORTANT NOTICE: CONFIDENTIALITY AND LEGAL PRIVILEGE

This facsimile is intended only for the addressee and may contain legally privileged and confidential information. If you are not the addressee, you are notified that any transmission, distribution, or photocopying of this facsimile is strictly prohibited. The legal privilege and confidentiality attached to this facsimile is not waived, lost or destroyed by reason of a mistaken delivery to you. If you have received this facsimile in error please immediately notify me by telephone and return the original facsimile to me at my address.



**DATE:** 15/2/2000  
**TO:** Max Winders  
**FACSIMILE NO.:** 3002 5588  
**FROM:** Adrian McKay  
**SUBJECT:** Waterworks licence 94461  
**NO. OF PAGES (Inc. Cover)**

### MESSAGE

In regard to our phone conversation discussing your fax of 15/2/2000, I will confirm the following advice given.

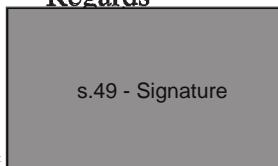
A decision on the required depth for the second cementing will be made by Toowoomba office following discussions with yourself upon receipt of the drilling log and/or advice from your consultant that a change has been encountered. From discussions with yourself it appears the likely depth will be approximately 920 -940 metres.

Attached is the licence document from indicating approval for AQC to access Precipice Sandstones under 94029

Can you indicate the advice in this fax adequately addresses the concerns you raised in your fax and you are agreeable to this approach to determine the required cementing depth for the second string of casing.

Any queries pls call me on 4688 1000.

Regards

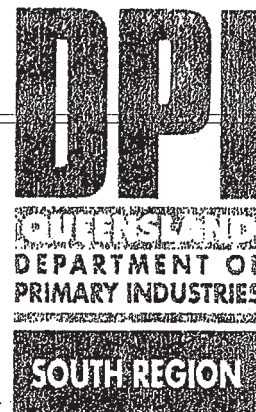


Adrian McKay

## DEPARTMENT OF NATURAL RESOURCES

Enquiries to: Adrian McKay  
203 Tor Street, Toowoomba Q 4350  
PO Box 318, Toowoomba Q 4350  
Telephone: (07) 4688 1000 Facsimile: (07) 4688 1188  
\\torst1\group\dtr\_sfh\l\_tbw\l\_water\gw\mckay\fax\winders.doc

26 AUG. 1995



CERTIFIED

AQC (Wilkie Ck) Pty Ltd  
PO Box 2256  
BRISBANE Q 4001

Dear Sir/Madam,

WATERWORKS LICENCE NO. B 94029  
EXPIRY DATE: 31/08/1995

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90 together with a copy of the Licence for the Drilling Contractor and a supply of drilling log forms.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a period of twelve months and will be subject to renewal after that period either as proposed work if the bore has not been drilled or existing work if the bore has been completed and drilling logs have been submitted.

Should the works not be completed during the currency of this Licence, a further renewal a period of twelve months would be considered. Failure to complete the works after the second renewal period will result in you being asked to show cause why the Licence should not be cancelled.

Please note that in accordance with Condition 4.042 the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs.

It is also important that any production bore obtained not be equipped until drilling logs are submitted, supply tested and a nominal groundwater allocation determined. The procurement and installation of equipment prior to an allocation being approved is at the risk of the Licensee.

The maximum groundwater allocation that will be considered is 600 megalitres per annum. This will be determined and reviewed on the basis of actual supplies obtained from this and any other bores drilled.

Enquiries To: Mr. Ross Carruthers Your Ref: Our Ref: T 1714  
566-572 Ruthven Street, PO Box 3180, Village Fair, Toowoomba Q 4350  
Telephone: (076) 319 200 Facsimile: (076) 329 948

**WATER RESOURCES**

If you are dissatisfied with the decision of the Chief Executive, you may appeal to the Land Court in accordance with Section 4.26 of the Water Resources Act 1989. A copy of Section 4.26 is enclosed and you are advised to read it carefully.

A notice of appeal must be filed in the Land Court registry within 30 days after the date of the notification of the decision. A copy of the notice must be served on the Chief Executive within 14 days after filing it in the Court. The notice of appeal must state the grounds upon which you intend to rely.

At such time and place as set down by the Land Court for hearing of any appeal, it would be necessary for you or your legal representative to appear and tender evidence in support of such appeal.

Also attached is Licence No B 86828 that has been amended and renewed. Please note the conditions endorsed thereon.

Your Licences are important documents and care should be taken to preserve them.

Yours faithfully,

s.49 - Signature

For DISTRICT MANAGER  
WATER RESOURCES  
TOOWOOMBA

THIS IS A TRUE COPY OF A LETTER SENT TO AOC (WILKIE CK)

s.49 - Signature

RTI DL RELEASE - DNRM

**WATERWORKS LICENCE**

Page 1

Name and Address of Licensee

LOW (ARTISIAN BORE) PTY LTD  
GPO BOX 2256  
PERTH WA 6001

Licence Number **5 94029**      Expiry Date **31/08/1994**      File Number **T 1714**

Description of Works

SUB-ARTESIAN BORE

Licensed Depth **900.0** metres  
Year Drilled **PROPOSED**

Location of Works

Description **LOT 128 DY 317**  
Parish ~~L127/129 PLAN DY317 & L130 PLAN DY458~~  
County **MILES**  
**DERBY**

Supply

~~L127/129 Plan DY317 & L130 Plan DY458~~ Parish of Miles, County of Derby

Purpose of Works

Industrial, Domestic

Date of Original Issue

10/08/1994

It is the licensee's responsibility to apply for renewal of this Licence before it expires, in the absence of a notice in writing from the Chief Executive, Primary Industries Corporation sending an expiry notice.

This Licence is issued under the Water Resources Act 1989 and is subject to the terms and conditions prescribed hereon or attached hereto.

Issued at.....

..... day of..... 19.....

.....  
s.49 - Signature

.....  
**SENIOR TECHNICAL OFFICER**

07/4/93

**SCHEDULE OF TERMS FOR LICENCE NUMBER**

Page 2 of 4

B 94029

EXPIRY DATE

31/08/1994

- 01A The drilling of any facility under the terms of this licence shall only be carried out by a driller who is licensed to construct the type of works described hereon.
- 10A The licensee shall supply a copy of this licence to the driller.
- 20A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Departmental drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- 30A The licensee shall forward water samples for chemical analysis to the Chief Executive as directed by him.
- 40 The bore shall be constructed as directed by the Chief Executive to tap only the aquifer/s in THE HUTTON & PRECIPICE SANDSTONES and shall not ANY SHALLOWER AQUIFERS.
- 44 The depth of the bore shall not exceed the licensed depth.
- 50A The licensee shall install the work for which this licence is granted within two (2) years from the date of original issue of the licence.
- 51 The lengths of bore casing shall be as approved by the Chief Executive to allow the flow from the target aquifer to be made fully controllable.
- 52 The casing used shall be in accordance with Australian Standard AS 1074 - 1980 or AS 1396 - 1979 for steel bore casing or it shall meet such other specification for steel or other material as approved by the Chief Executive.
- 0533 The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the Chief Executive:  
300mm from 0 to 5 metres CEMENTED  
250mm from 0 to 550 metres CEMENTED  
200mm from 530 to 900 metres
- 57 The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- 60 All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- 61 The licensee shall give the District Manager at Toowoomba at least 14 days notice of his intention to start cementing.
- 62 The Chief Executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.
- 090 In the event of an artesian flow being obtained, the licensee shall carry out such works as the Chief Executive may direct to control the

**SCHEDULE OF TERMS FOR LICENCE NUMBER**

EXPIRY DATE

31/08/1994

flow from the bore. The water shall not be distributed by bore drains but through valves and piping to tanks and/or troughing.

- 010A The Chief Executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- 030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.
- 042 If the bore is abandoned the licensee shall plug the bore with cement between such depths as the Chief Executive directs.
- 050 If the Chief Executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Chief Executive may consider necessary to eliminate or prevent such pollution.
- 0102 The real property associated with this bore shall be L127/129 Plan DY317 & L130 Plan DY458 Parish of Miles, County of Derby  
~~DY317 / LOT 162 RP \$65871 & LOT 128 DY317~~
- 020 A water year shall be from 1st September to 31st August.
- 042 After the completed bore is tested to the satisfaction of the Chief Executive, he shall prescribe the nominal allocation.
- 100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Chief Executive.
- 120A The holder of this licence shall pay the prescribed licence fee and other such fees and charges as are determined by the Chief Executive from time to time together with interest thereon in respect of water allocated or taken and water taken in excess of the quantity of water authorised to be taken. Such fees and charges are payable within 30 days after the date of issue thereof by the Chief Executive at the place specified in the notice.
- 130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 014 Upon completion and equipping of the Waterworks Licence no. 94029 the licensee shall at his own expense supply and install a water meter on on the discharge side of the pump..
- 018 The meter/s shall be installed to the satisfaction of the Chief Executive.

SCHEDULE OF TERMS FOR LICENCE NUMBER

Page 4 of 4

B 94029

EXPIRY DATE

31/08/1994

- 020 The water meter shall be maintained at the expense of the licensee..
- 022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Chief Executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 070 The licensee shall record metered use monthly and forward the records to the District Manager at annually.
- 007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Chief Executive to monitor the effect of pumping from the bore.

RTI/DL RELEASE - BULKY - COPY





**MAX WINDERS & ASSOCIATES PTY LIMITED**  
Consulting Engineers & Scientists

**Facsimile  
Transmission**

Level 15, Brisbane Club Tower, 241 Adelaide Street, Brisbane  
GPO Box 3137, BRISBANE QLD 4001

Telephone: (07) 3002 5500  
Facsimile: (07) 3002 5588

Job Name: *Wambo*  
Date: *15/2/00*  
Time: *3.40pm*

To: *DNR Darling Downs District*  
Attention: *Mr. Adrian McKay*  
Re: *Waterworks Licence - Wambo Cattle Co*  
Fax No: *4688 1188*  
From: *Max Winders*  
Total Pages: *5* (including this page)

Message

*See attached.*

RTI DL RELEASE - DNRM

PO Box 318  
Toowoomba  
Q 4350  
3 November 1999

Max Winders and Associates  
GPO Box 3137  
Brisbane, Q4001

Dear Max,

Thank you for your letters of 20 and 26 October regarding Waterworks Licence 94461R - Wambo Cattle Co Ltd. This letter is to confirm matters discussed with you on the telephone yesterday.

Wilkie Ck No 2 bore, Licence No 94029, had approval for extraction from the Precipice Sandstone Formation of the Great Artesian Basin. From the respective Bore log submitted, it appears that the bore was not drilled into basement material of the Surat Basin sediments. A determination that the bore actually accesses the Precipice Sandstone is difficult in this case, a point that was indicated in early meetings regarding your application. You were given approval to drill to a greater depth so that you have an opportunity to explore the stratigraphy of the area more fully. Licence No 94029 was a current licence at the time of your application, therefore that licence has precedence

Licence G94461 is current until 28 February 2000. Term 1-1.20 of that licence states that works associated with the licence are to be constructed within two years of issue of the licence. A renewal application will be automatically generated from our Brisbane office prior to expiry and sent to the current address on the licence prior to the expiry date. At that time you will be asked to show cause as to why this licence should not be cancelled should the bore not be constructed. If the bore has not been constructed, the Department will assess the situation, including your present desire for an extension of time, the 'state of play' with regard to construction of works and plans that you may have and any response to the show cause notice, as part of the process in coming to a decision on the renewal application.

Alternatively, you can lodge an amendment application at any time. In the case of an amendment application, under the Water Resources Act, 1989, this is dealt with in the same manner as an initial application. That is, the application has to be re-advertised, objections received etc. and a decision made. As well, since this would be a new application, it will not enjoy any precedence in time but would take its place in line as of the date of lodgement in accordance with current management guidelines for the Great Artesian Basin.

With regard to your comments on the proposed Kogan Creek power station Impact Assessment Study, a supplementary report to that study is now available. That supplementary report contains more detailed study of proposed water supply to the power station including groundwater use.

I trust this information is of use to you. If you require further information, do not hesitate to contact this office.

Yours sincerely

s.49 - Signature

Geoff Titmarsh  
Principal Officer, Water Resource Allocation and Management, Darling Downs.

File T 5188  
Enquiries to: G Titmarsh  
203 Tor Street Toowoomba Qld 4350  
P.O. Box 318, TOOWOOMBA Qld 4350  
Telephone: (07) 4688 1304 Facsimile: (07) 4688 1188

# Max Winders & Associates

Consulting Engineers & Environmental Scientists

Ref: L2200/MFW

28 January 2000

Department of Natural Resources  
PO Box 318  
TOOWOOMBA QLD 4350

Per Fax: 4688 1188

Attention: Mr Titmarsh

Dear Mr Titmarsh

Re: Wambo Cattle Company Bore - Licence No. 94461R

Please find enclosed our Application for Renewal of the above licence.

You might note that, as at the current date, we have yet to construct the bore.

Nevertheless, after we received details of the construction and testing of the Lagoon Gully bore, we commissioned Australasian Groundwater and Environmental Consultants Pty. Ltd. to design and cost a bore and to then call for quotations for its construction and testing. I understand that their Mr Ian Callow has had discussions with your Mr Adrian McKay in this regard. Copies of Figures 1 & 2 of their report are appended to indicate the location and design of the bore. Macarthur Consulting then reported upon the financial viability of the bore for our company's information.

We have accepted a quotation from Daly Bros. Pty Ltd to construct the bore according to the specification and Australian Groundwater Services Pty Ltd will be engaged to carry out the test pumping upon completion. We have been advised that the drilling rig will be on site from 2 February 2000 to commence the bore.

It is expected therefore that the construction will be completed before the expiry date of the current licence.

Yours sincerely

s78B(2) - Personal Information

M. F. Winders

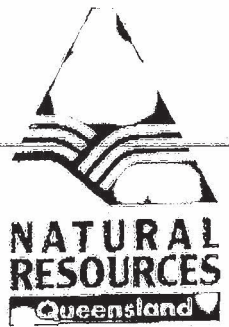
Released





QUEENSLAND GOVERNMENT

APPLICATION FOR RENEWAL OR SURRENDER OF LICENCE (Water Resources Act 1989)



Licence 94461R Expiry Date 28/02/2000
Licensee WAMBO CATTLE CO. LIMITED
Date of Original Issue 17/03/1998
Description of Works Takes underground water by the construction and use of a Controlled Artesian bore
Licensed Depth 1200 metres (DEPTH OF WORKS AS PROPOSED)
Location of Works 125/DY316
Purpose of Works Stock Intensive
Land Supplied 125/DY316

You must sign and date the section below for each licence to be renewed or surrendered

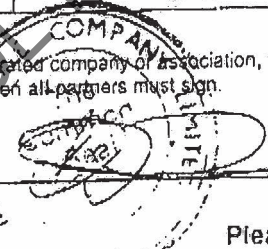
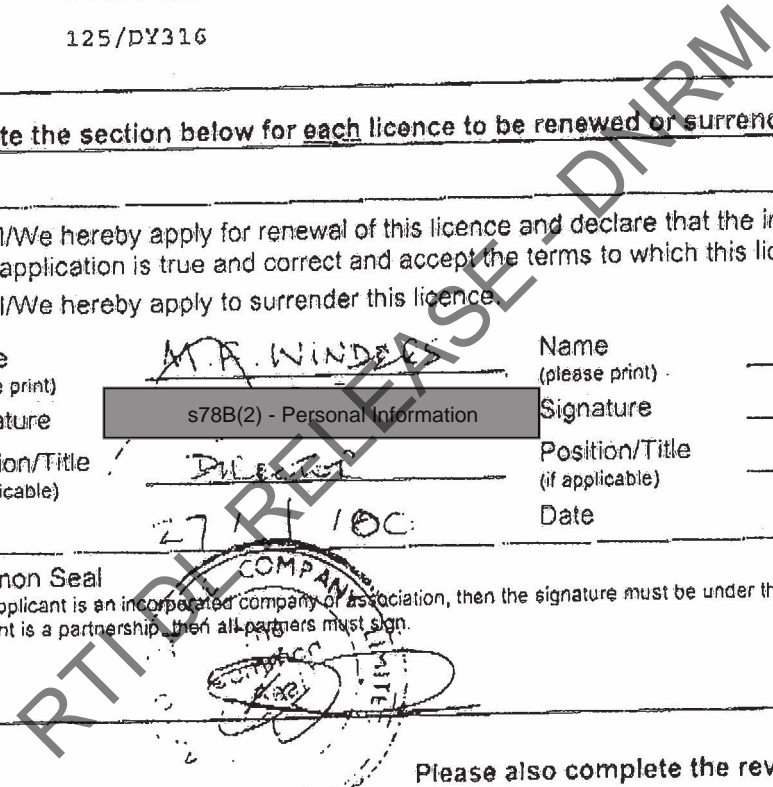
Declaration

- I/We hereby apply for renewal of this licence and declare that the information contained in this application is true and correct and accept the terms to which this licence is subject.
I/We hereby apply to surrender this licence.

Complete and sign for ALL Licences

Name (please print) M.A. WINDERS Name (please print)
Signature s78B(2) - Personal Information Signature
Position/Title (if applicable) Director Position/Title (if applicable)
Date 27/1/00 Date / /

Common Seal If the applicant is an incorporated company or association, then the signature must be under the common seal of the company. If the applicant is a partnership, then all partners must sign.



Please also complete the reverse side of this page

Released

Table with 4 columns: RESOURCE MANAGEMENT USE ONLY, REGISTRATION APPROVED, ACTIONED, and File/Client/Application. Includes signature and date lines for each column.

**APPLICATION FOR RENEWAL OR SURRENDER OF LICENCE  
QUESTIONNAIRE**

Licence No: 94461R Expiry Date: 28/02/2000  
 Licensee: WAMBO CATTLE CO. LIMITED

*Please complete both sections below.*

**Licence Details**

Are the details of your licence correct?  Yes  No  
 If No, specify changes to the licence (attach separate sheet if necessary).  
 \_\_\_\_\_  
 \_\_\_\_\_

Current status of the works: Are the works installed?  Yes  No  
 If No, give reason not installed. DRILLING PLANNED TO COMMENCE  
3 ~~2~~.2.00 (SEE ATTACHED)

Are the works now in use?  Yes  No  
 If No, specify current status of the works.  Abandoned and not capable of being used  
 Still capable of being used

**Reported Water Use**

Water used by the works <small>(for irrigated crops use last season)</small>	Type of crop irrigated or how water used	Area (Hectare)	Amount Applied (mm)	Volume Used (Megalitres)	Application Method (Spray/Flood/Trickle)	Pump Details (Type and Size)

and / or Stock Type \_\_\_\_\_ Number \_\_\_\_\_

*Please provide us with your latest contact details or indicate if a change of licensee name has occurred. (You only need to do this once if a number of licences are to be renewed or surrendered)*

**Applicant Details**

Name: AS CURRENT

Attention (Optional): (eg. Principal, Secretary, Managing Director, etc) \_\_\_\_\_

Mailing Address: Town \_\_\_\_\_ State \_\_\_\_\_ Postcode \_\_\_\_\_ Country \_\_\_\_\_

Title:  Mr  Mrs  Ms  Miss  Other (please specify) \_\_\_\_\_


Given Names \_\_\_\_\_  
 Surname \_\_\_\_\_

Telephone Contact Details: Preferred Phone \_\_\_\_\_ Facsimile \_\_\_\_\_  
 Alternate Phone \_\_\_\_\_ Email Address \_\_\_\_\_

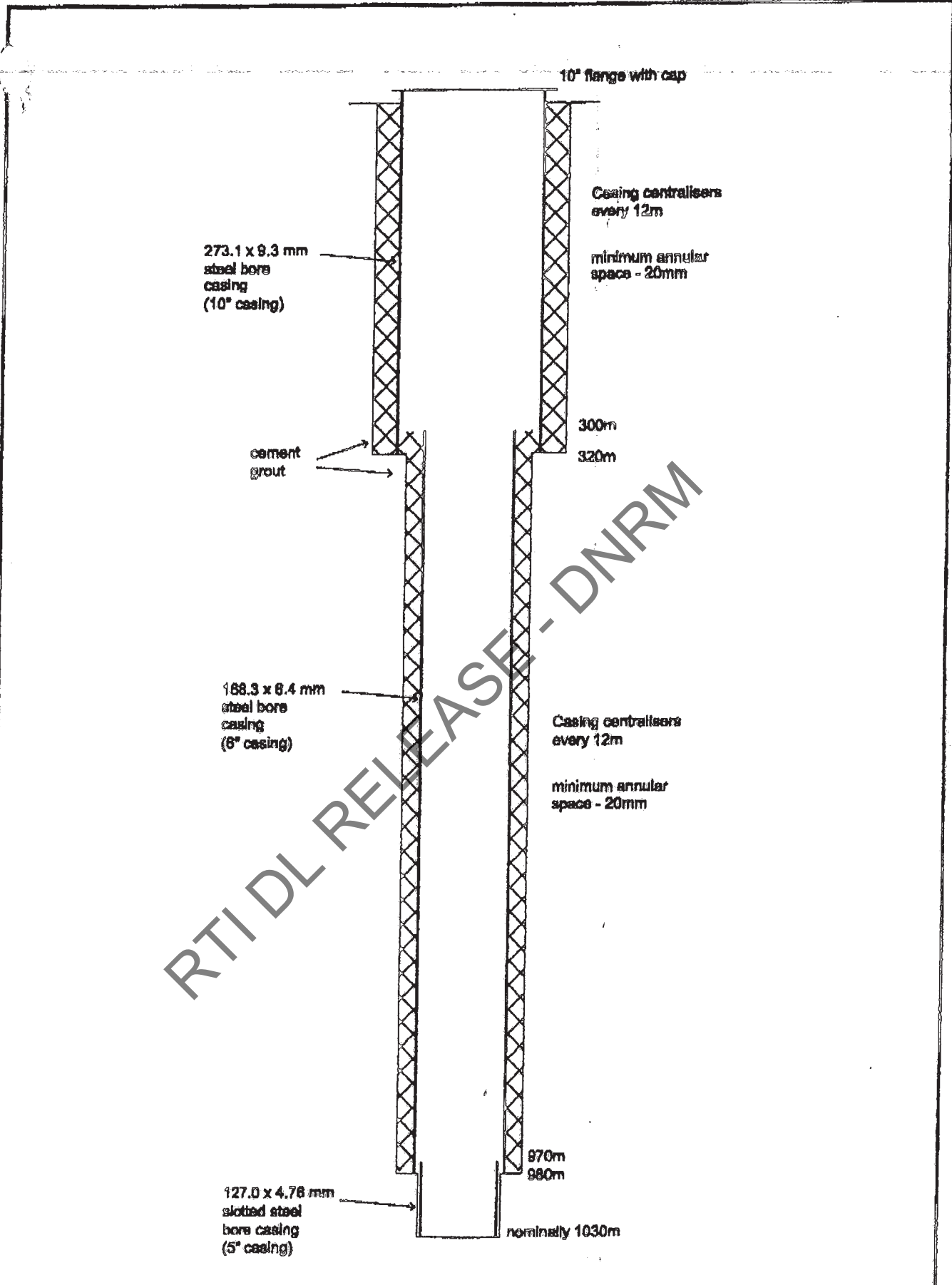



LOT 125 DEVELOPMENT POTENTIAL

Figure 2 Bore Site Options

 <b>AUSTRALASIAN GROUNDWATER &amp; ENVIRONMENTAL CONSULTANTS PTY LTD</b> 7/28th ABBOTSFORD RD BOWEN HILLS QLD 4006 AUSTRALIA	
<b>TITLE: LOT 125 DEVELOPMENT POTENTIAL GROUNDWATER SUPPLY - PRECIPICE FORMATION POTENTIAL BORE LOCATIONS</b>	
CLIENT: Wambo Cattle Company Limited	OFFICE: Brisbane
DRAWN BY: Client    SCALE: 1:25000	PROJECT No: G1081    DRAWING No: 1
APPROVED BY: [Signature]	DATE: December 1998

RTI DL RELEASE - DNRM



 <b>AUSTRALASIAN GROUNDWATER &amp; ENVIRONMENTAL CONSULTANTS PTY LTD</b> 7/289 ABBOTSFORD RD BOWEN HILLS QLD 4006 AUSTRALIA			
<b>TITLE: LOT 125 DEVELOPMENT POTENTIAL GROUNDWATER SUPPLY - PRECIPICE FORMATION PROPOSED BORE DESIGN</b>			
CLIENT: Wamba Cattle Company Limited		OFFICE: Brisbane	
DRAWN BY: IPC	SCALE: Vertical 1:5000	PROJECT No: G1081	DRAWING No: 2
APPROVED BY: [Signature]	DATE: December 1999		

Released

# Max Winders & Associates

Consulting Engineers & Environmental Scientists

Ref: L35699/MFW

20 October 1999

Principal Officer Water & Catchment Management  
Darling Downs District  
Department of Natural Resources  
PO Box 318  
TOOWOOMBA QLD 4350

*2044*  
~~Did not go to feed depot~~  
Bore logs show  
Did not go to basement  
after

Per Fax: (07) 4688 1198

Attention: Mr Titmarsh

*for us give a chance to greater depth & explore full purpose*

Dear Mr Titmarsh

Re: Waterworks Licence No. G 94461 - Wambo Cattle Co Limited

I am writing on behalf of Wambo Cattle Co Limited, of which I am a director, requesting a meeting to discuss certain aspects of the above licence which we would like to resolve before drilling the bore for our feedlot.

Condition 1.040 of our licence allows us to tap only aquifers in the Precipice Formation and we have designed our bore accordingly after checking all of the available reference data. From the available information it would appear that the Precipice Formation is likely to reach to within less than 1000 metres of the surface at our property. Our licence permits us to drill to 1200 metres.

In checking the available data, we obtained borelogs of the three bores in the neighbouring Wilkie Creek coal mine property which, to our knowledge, are licensed to extract water from only the Hutton Sandstones, aquifers which lie above the Precipice Formation and separated from the Precipice by the aquatards of the Evergreen Formation.

*Approved since  
- to go to precipice*

The nearest to our property of those three bores, Wilkie Creek No.2, Licence No. 94029, was drilled to a depth of 979 metres, passing through the bottom of the Evergreen Formation at 946 metres and tapping a grey sand layer of approximately 18 metres thickness which, from our information from the petrographic bores, is the thickness expected of the Precipice aquifer at our property.

Wilkie Creek is now owned by the proponent of the Kogan Creek power station. It would appear that your department's Resources Science Centre has prepared information for them concerning the Precipice Sandstone. This information suggests that the aquifer thickness near our property and Bore No.94029 is between 10 and 20 metres while the top of the aquifer is less than 600 metres below sea level, ie approximately 900 metres below ground level.

Given that the other two Wilkie Creek bores were terminated at only 742 and 749 metres below ground in the Hutton Sandstones, it appears quite obvious to me that Bore No. 94029 is tapping the Precipice Sandstone, contrary to what I would expect to be in their licence conditions.

Released

Level 15, Brisbane Club Tower, 241 Adelaide Street, Brisbane  
GPO Box 3137, Brisbane Qld 4001 (ACN 010 833 084)  
Ph: (07) 3002 5500 Fax: (07) 3002 5588 e-mail: winders@gil.com.au





Mr Titmarsh, Department of Natural Resources  
Re: Waterworks Licence No. 94461 - Wambo Cattle Co Limited

20 October, 1999  
Ref: L35699/MFW

I have reviewed the Impact Assessment Study for the proposed Kogan Creek power station. From the information available on p.63 of the draft IAS, it would appear that Bore No. 94029 is proposed to be used to supply water to the proposed power station.

*unprior  
to Wilkie*

Because of the proximity of Bore No. 94029 to our feedlot site and the relatively thin nature of the Precipice aquifer at this point, it would appear that their continued tapping of the aquifer would place our company at a considerable disadvantage as far as yield is concerned and therefore the cost of obtaining a 360 ML/yr supply.

I have advised Wilkie Coal of this apparent anomaly but they have yet to provide me with a response.

In such a situation my company has no other recourse than to bring the matter to your attention and request that Wilkie Coal desist from extracting from the Precipice Sandstone within the exclusion zone applying to our licence.

I would be pleased if we could discuss the matter at your earliest opportunity as I need to commence drilling the bore in the very near future.

Yours sincerely

[Redacted signature block]

s78B(2) - Personal Information

M. P. WINDERS

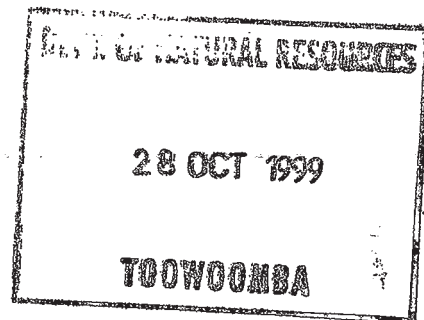
RTI DL RELEASE - DNRM

*concl. for on new bore to make  
flow*

Released



**Max Winders & Associates**  
Consulting Engineers & Environmental Scientists



Ref: L36099/MFW

**FAXED**  
26 October 1999

Principal Officer Water & Catchment Management  
Darling Downs District  
Department of Natural Resources  
PO Box 318  
TOOWOOMBA QLD 4350

**Per Fax:** (07) 4688 1988

**Attention:** Mr Titmarsh

Dear Mr Titmarsh

**Re:** Waterworks Licence No. G 94461 – Wambo Cattle Co Limited

Further to my letter to you of 20 October 1999, I have considered my company's position with regard to the apparent tapping of Bore No. 94029 into the Precipice Aquifer. It would appear that the potential for that bore to impact upon our G 94461 is such that we should delay construction of that bore until it has been resolved that Wilkie Coal can no longer extract from the Precipice Formation at that point and until we are able to access information from No. 94029 which would assist us in designing the bore and pump for No. 94461.

Our difficulty is that our licence expires on 28 February 2000, it will take 4 weeks to complete the bore and it will cost approximately \$ 170,000 to construct and test. We are unwilling to risk an investment of this size in the face of such uncertainty, as the location of the proposed feedlot is such that the bore will need to be located in the northern part of the property, while the western side appears to have the best prospects as far as aquifer thickness is concerned, and these factors place our preferred site close to Bore No. 94029.

As a result, Wambo Cattle Co Limited requests an extension of six months to its Waterworks Licence to enable the matter to be resolved and the bore to be located, constructed and equipped in an optimal manner.

I would be pleased to provide further information and to meet with you if this would assist in expediting the matter.

Yours sincerely

s78B(2) - Personal Information

M. F. Winders



**DEPARTMENT OF NATURAL RESOURCES  
OFFICE MEMO**

<b>Your Ref.:</b> <b>Author:</b> Gerry Harth	<b>Our Ref.:</b> T 5188 <b>Telephone:</b> (07) 46881000 <b>Facsimile:</b> (07) 46881188
<b>DATE:</b> 25 October 1999	
<b>FROM:</b> Act Senior Technical Officer (Groundwater Management) Darling Downs District	
<b>TO:</b> Act Principal Officer (Water Allocation & Management) Darling Downs District	
<b>SUBJECT:</b> WAMBO CATTLE CO LIMITED	

---

The letter from Max Winders & Associates dated 20 October 1999 refers. I have had a look at the bores/licences referred to in the letter and tender the following observations.

1. On 17 March 1998, Waterworks Licence No 94461 was issued to Wambo Cattle Co Limited authorising construction of a bore to tap only aquifers in the Precipice Formation to a depth of 1200 metres with an in principle allocation of 360 Ml.

Wambo Cattle Co Ltd subsequently applied for an increase in allocation on 26 August 1998. On 28 June 1999 the licence was renewed with an increase in allocation to 480 Ml dependent upon completion of bore and pump testing.

2. The 3 bores in the neighbouring Wilke Creek coal mining property referred to in the letter were originally issued to tap aquifers in the Hutton and Precipice Sandstone formation. The drill logs and stratigraphy for the bores suggest that supplies are from Hutton/Evergreen formation.

Someone has marked stratigraphy on the drillers log for Licence No 94029 and has a dotted line at 946, perhaps indicating base of Evergreen and start of Precipice. The total depth of 94029 is 979 metres. Wilke Creek bores have been constructed and are operating within conditions of their licences

3. I believe that it is irrelevant whether Kogan Creek power station intends to use water from 94029 for the power house. The bore is licensed for industrial use and therefor can be used for this purpose as long as they keep within the allocation.

*WITHIN DEPT.*

Someone<sup>WITHIN DEPT.</sup> has determined that the bore on Wilke Creek coal mine is not tapping the Precipice Formation and therefor would not be a threat to Wambo's proposed bore tapping the Precipice Formation.

I also note that an allocation of 1500 ML per annum from the Precipice Sandstone has been approved for the Kogan Creek power house and that the exclusion zone would take in all of Wamdo's area. I am not sure where this leaves Wambo cattle Co Ltd.

I suggest we wait for Adrian to come back next week before this matter is discussed further with Mr Winders. He may be able to shed more light on the matter.

s.49 - Signature

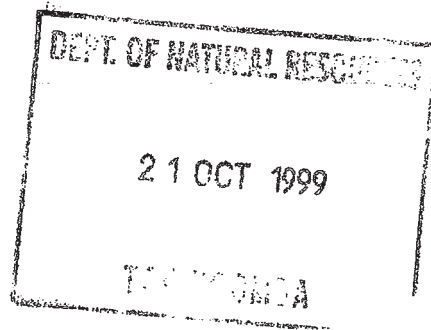
G Harth

Act Senior Technical Officer (Groundwater Management)

**DARLING DOWNS DISTRICT**

RTI DL RELEASE - DNRM

**Max Winders & Associates**  
Consulting Engineers & Environmental Scientists



Ref: L35699/MFW

20 October 1999

Principal Officer Water & Catchment Management  
Darling Downs District  
Department of Natural Resources  
PO Box 318  
TOOWOOMBA QLD 4350

Per Fax: (07) 4688 1198

Attention: Mr Titmarsh

Dear Mr Titmarsh

Re: Waterworks Licence No. G 94461 – Wambo Cattle Co Limited

I am writing on behalf of Wambo Cattle Co Limited, of which I am a director, requesting a meeting to discuss certain aspects of the above licence which we would like to resolve before drilling the bore for our feedlot.

Condition 1.040 of our licence allows us to tap only aquifers in the Precipice Formation and we have designed our bore accordingly after checking all of the available reference data. From the available information it would appear that the Precipice Formation is likely to reach to within less than 1000 metres of the surface at our property. Our licence permits us to drill to 1200 metres.

In checking the available data, we obtained borelogs of the three bores in the neighbouring Wilkie Creek coal mine property which, to our knowledge, are licensed to extract water from only the Hutton Sandstones, aquifers which lie above the Precipice Formation and separated from the Precipice by the aquatards of the Evergreen Formation.

The nearest to our property of those three bores, Wilkie Creek No.2, Licence No. 94029, was drilled to a depth of 979 metres, passing through the bottom of the Evergreen Formation at 946 metres and tapping a grey sand layer of approximately 18 metres thickness which, from our information from the petrographic bores, is the thickness expected of the Precipice aquifer at our property.

Wilkie Creek is now owned by the proponent of the Kogan Creek power station. It would appear that your department's Resources Science Centre has prepared information for them concerning the Precipice Sandstone. This information suggests that the aquifer thickness near our property and Bore No.94029 is between 10 and 20 metres while the top of the aquifer is less than 600 metres below sea level, ie approximately 900 metres below ground level.

Given that the other two Wilkie Creek bores were terminated at only 742 and 749 metres below ground in the Hutton Sandstones, it appears quite obvious to me that Bore No. 94029 is tapping the Precipice Sandstone, contrary to what I would expect to be in their licence conditions.



I have reviewed the Impact Assessment Study for the proposed Kogan Creek power station. From the information available on p.63 of the draft IAS, it would appear that Bore No. 94029 is proposed to be used to supply water to the proposed power station.

Because of the proximity of Bore No. 94029 to our feedlot site and the relatively thin nature of the Precipice aquifer at this point, it would appear that their continued tapping of the aquifer would place our company at a considerable disadvantage as far as yield is concerned and therefore the cost of obtaining a 360 ML/yr supply.

I have advised Wilkie Coal of this apparent anomaly but they have yet to provide me with a response.

In such a situation my company has no other recourse than to bring the matter to your attention and request that Wilkie Coal desist from extracting from the Precipice Sandstone within the exclusion zone applying to our licence.

I would be pleased if we could discuss the matter at your earliest opportunity as I need to commence drilling the bore in the very near future.

Yours sincerely

s78B(2) - Personal Information

M.F. Winders

RTI DL RELEASE - DNRM

25/10/99  
Sorry,  
Can you examine the validity of the  
claims made in regard to bore no  
94029 tapping the precipice sandstone

s78B(2) - Personal Information



30 June, 1999

Wambo Cattle Co Limited  
C/- Max Winders & Associates  
GPO Box 3137  
**BRISBANE Q 4001**

Dear Sir

**WATERWORKS LICENCE NO 94461R**  
**EXPIRY DATE:- 28/02/2000**

Attached is the above Waterworks Licence for a proposed bore, renewed under the Water Resources Act 1989. Your attention is drawn to the explanatory notes attached and to the conditions endorsed on the Licence.

Please note the requirement on condition 1-3.60 where a currently licensed Class 3 driller must be contracted to drill this bore; and condition 3-1.052 with regard to casing specification.

The Licence has been issued until 28 February 2000. Should the works not be completed during the currency of this Licence, you will be asked to show cause why the Licence should not be cancelled.

A decision on Application No.10695 for an increase in nominal groundwater allocation pertaining to the proposed bore, will be made upon completion of construction and pump testing of the bore.

In reply to your letter dated 4 January 1999 regarding a proposed multi-user development and integrated water supply scheme on the subject property, advice is that such a proposal would be a private commercial venture between Wambo Cattle Co and others. As such, the proposal does not qualify for Government support or subsidy and Departmental involvement would be limited to allocation of the groundwater resource once the bore has been constructed and pump tested.

Wambo Cattle Co would also be required to apply to amend the bore licence to authorise the additional purpose of use i.e. industrial/ commercial/ group domestic. Construction of an additional bore would also require prior authorisation by another Waterworks Licence.

As your Licence is an important document, care should be taken to preserve it.

Yours faithfully

s.49 - Signature

Principal Officer (Water Resource Allocation & Management)  
**DARLING DOWNS DISTRICT**  
**TOOWOOMBA**

RTI DL RELEASE - DNRM



**DEPARTMENT OF NATURAL RESOURCES  
OFFICE MEMO**

**Your Ref.:**

**Author:** G Titmarsh

**Our Ref.:**

**Telephone:** 07 4688 1304 **Facsimile:** 07 4688 1188

**DATE:** 6 January 1999

**FROM:** G Titmarsh, Principal Officer, Water Resource Allocation and Management, Toowoomba

**TO:** R Robson, Senior Project Officer, Water Resource Allocation and Management, Mineral House

**CC:** A Mckay, Senior Technical Officer, Water Resource Allocation and Management, Toowoomba

**SUBJECT:** Proposed Agreement, Max Winders and Associates

Attached is a copy of a letter from Max Winders and Associates requesting advice from the Department about developing an agreement to supply water to adjoining and other parcels of land from an integrated licensed water supply on one land parcel.

Could you please advise as to whether a proposal as suggested by Max Winders and Associates can be accommodated within the Water Resources Act or endorsed/approved by the Department?

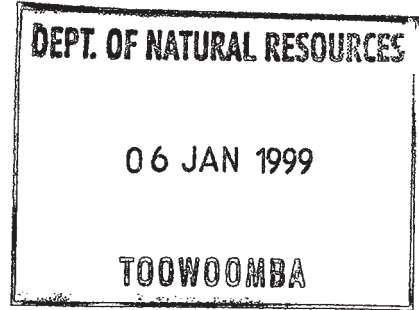
My reading of Mr Winders letter is that what he is referring to are Water Supply Areas regulated by a constituted Board. Could the proposal as suggested by Mr Winders fit within this area?

My understanding is that what he proposes should be a straight commercial venture between Max Winders and Associates and others. In that case Departmental involvement would be limited to allocation of resource to Max Winders and Associates and then they can use the water as they see fit as long as that use is within the conditions of the licence. An amendment to the existing authority may be necessary to allow them to carry out the proposal.

G Titmarsh

Principal Officer, Water Resource Allocation and Management, Toowoomba.

**Max Winders & Associates**  
Consulting Engineers & Environmental Scientists



Ref: L0299/MFW

4<sup>th</sup> January 1999

Department of Natural Resources  
PO Box 318  
TOOWOOMBA QLD 4350

Attention: Mr Geoff Titmarsh

Dear Geoff

Re: Proposed Multi-user Development of the Water Resources of Lot 125 on Dy 316

On behalf of Wambo Cattle Co Ltd, the owner of Lot 125 on Dy 316, Parish of Miles, I would like to receive advice from the Department upon the legal and practical aspects of developing a multi-user facility on the property which would enable lots subdivided from the property to receive annual allocations of water from the property's combined surface and underground water resources.

The company currently holds a nominal allocation of 360 MI/yr from the Precipice Sandstones for use by a 24,000 head feedlot, whose requirement at full capacity would be 432 MI/yr. We have recently completed construction of a 300 MI gully dam and a 60 MI feedlot retention storage on the property as part of the feedlot development. Our RUSTIC analysis of the former suggests that a 150 MI/yr yield could be reliably obtained from these resources.

As the feedlot size is sufficient to support an abattoir of a capacity which would require a further 75-100 MI/yr, an application was made to the Department for an increase in the nominal allocation to the more-normal 480 MI/yr and for the use to be extended to include "industry" before a bore was constructed. I am advised that this application will not be considered until a bore has been constructed and tested.

This is not a problem at this stage as it is likely that two bores will be drilled to maximise the security of supply.

In the meantime we have submitted a plan of subdivision to the Wambo Shire Council which would enable the development of ten 40 ha rural industry blocks around the feedlot site to further utilise the infrastructure required for the feedlot and to provide sites for the abattoir and piggery and poultry sheds. The feedlot site is included as Lot 100 on the enclosed plan of subdivision and also includes the two recently-constructed storages. It is proposed that the initial bore will be constructed on the highest part of Lot 100, together with an adjacent storage reservoir and pump station for a reticulated supply to all 11 lots.

We recently received a request from Wambo Power Venture regarding the potential for them to purchase Lot 5, adjacent to their proposed gas turbine power station site and for the availability to their power station of 100 MI/yr from Wambo Cattle Company's nominal allocation. In addition, we understand that Powerlink is also interested in the provision of a much smaller water supply to their proposed Braemar sub-station on the Interconnector to the National Grid, immediately to the south of Lot 125.

It would appear therefore to be in the interests of all parties if we could structure an agreement recognised by the Department which would allow Wambo Cattle Company Pty Ltd to develop and operate an integrated water supply from the bores, surface water storages, supply pumping and pipeline systems and reticulation systems to meet the reasonable future requirements of Lot 100, Lots 1 - 10, Wambo Power Venture and Powerlink.



Your Department's advice on how to proceed in this regard would be appreciated such that we could instruct our legal advisers to act accordingly and prepare a draft agreement.

In addition, it is understood that the Department administers a scheme whereby approved joint water supply schemes can receive a substantial subsidy on their construction. We would be pleased to receive advice on this scheme if it might apply to our proposal

I would be pleased to meet with the Department at an appropriate time and place to discuss the above.

Yours sincerely

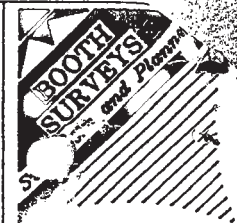
s78B(2) - Personal Information

M. F. Winders

RTI DL RELEASE - DNRM

Released





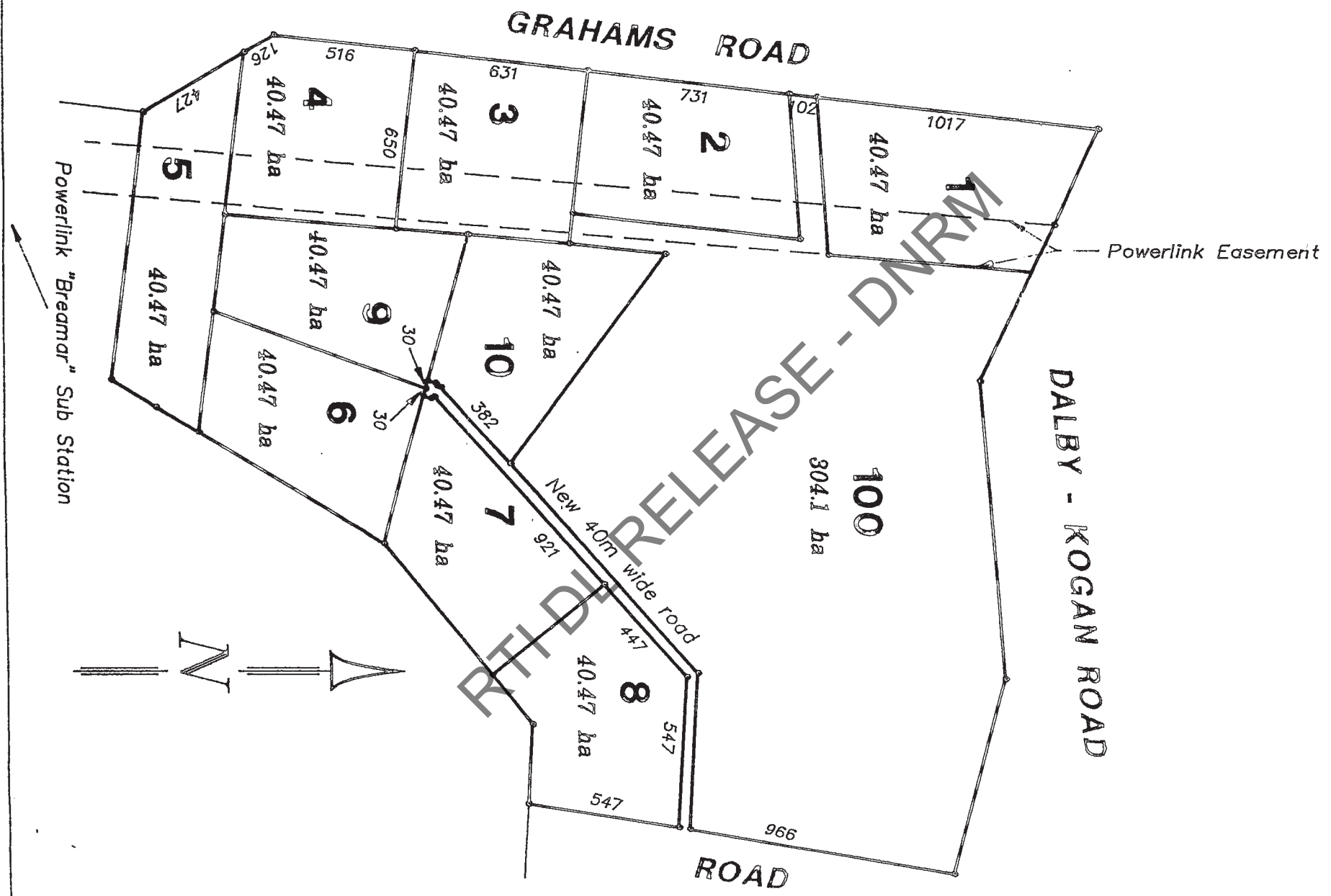
**BOOTH SURVEYS**  
 Surveyors and Planners  
 38b Patrick Street  
 Dalby Qld 4405  
 Ph: 4882 3248  
 Fax: 4882 3248  
 email: boothsur@magnet.com.au

AMENDMENTS		
NO	DATE	DESCRIPTION

	SR	DRAFTING CHECK
	DESIGN	DESIGN VERIFICATION
	DISCIPLINE TEAM LEADER	

**Proposed  
 Lots 1 - 10  
 and 100  
 cancelling  
 Lot 125  
 on  
 DY316  
 Psh: Miles**

1 : 20,000 A4 SIZE  
 989533S1



**WATER LICENCE**  
*Water Act 2000*



**Reference** 94461R **Expiry Date** 31/05/2033  
**Licensee** WAMBO CATTLE COMPANY PTY LIMITED  
**Authorised Activity** The taking of underground water from the Surat East 3 Management Unit (Great Artesian Basin) with the point of take under Lot 125 on DY316.  
**Authorised Purpose** Stock  
**Description of Land** Attached to the land described as Lot 125 on DY316.

This water licence is subject to the conditions endorsed hereon or attached hereto.

Under the *Sustainable Planning Act 2009* a development permit may be required for operational works to take or interfere with the water described in this licence. The licensee must ensure that the relevant development approvals have been obtained prior to installing or constructing new or additional operational works.

Given at Toowoomba this EIGHTH day of MAY 2013.

Dan Hunt  
**Director-General**  
**Department of Natural Resources and Mines**

Dept of Natural Resources & Mines

Department of Natural Resources and Mines

03 MAY 2013



TOOWOOMBA

APPLICATION - WATER LICENCE RENEWAL

REF: 94461R

Please return this form to: PO BOX 318 Toowoomba QLD 4350

(Please tick one box)

Application for renewal

[X] I/We apply for the renewal of this water licence and advise that the information provided is true and correct.

Notice of surrender

[ ] I/We hereby give notice of surrender of this water licence

Who must sign

Application for renewal: At least one person listed as a licensee on the water licence or their legal representative. Notice of surrender: All persons listed as licensees on the water licence or their legal representative/s.

Print full name/s

MAXWELL FRANCES WINDERS

Signature/s

s78B(2) - Personal Information

Position (If a Corporation)

DIRECTOR

Date

1/5/2013

Contact and correspondence details

(Complete only if your contact details have changed.)

Full name / Company name

WAMBO CREAM COMPANY PTY. LIMITED

If a Corporation please complete

ACN

058 718 326

Postal address

PO Box 3137 BRISBANE 4001

Telephone

3002 5500

Mobile

0428 800 490

Facsimile

3002 5508

Email

maxw@msaenviro.com.au

Current status of the licence

Has there been any use of the entitlement authorised by this licence since issue or last renewal?

Yes [X] No [ ]

If no, please provide comment:

Office use only

Reference 94461R File reference TMB/515/004(5188) Client reference 231465

Expiry date 31/05/2013 Event number 557236 Registration date

Location: DEEDI / DERM Complex, 203 Tor Street Postal: PO BOX 318, Toowoomba, QLD, 4350 Telephone: 13 7468 (13 QGOV) Facsimile: +61 7 45291555

© The State of Queensland (Department of Natural Resources and Mines) 2012

WMF001\_V2

Author: Rebecca Wilson  
File: TMB/515/004(5188)  
Phone: (07) 4688 1000  
Client Ref: 49330

15 AUG 2008

✓ WAMBO CATTLE COMPANY PTY LIMITED  
ATTN: MAX WINDERS  
GPO BOX 3137  
BRISBANE QLD 4001

Dear Sir/Madam

**Transfer of Water Licence: 94461R**

It has come to our attention that you are the registered owner of land, described as Lot 125 on DY316. A Water Licence given under the provisions of the *Water Act 2000* is attached to this land.

Under the provisions of the *Water Act 2000* on the day a licensee ceases to be an owner of land, the licensee also ceases to be the holder of the Water Licence and the new owner becomes the licensee.

As you are now the owner of the parcels of land to which the water entitlement attaches, the chief executive has transferred the water entitlement into your name and enclosed it for your records.

If you do not wish to remain the holder of this water entitlement you may surrender it by giving the chief executive a notice of surrender. The surrender will take effect from the date on which the surrender notice is received by the chief executive and does not affect in any way a duty about works imposed on the licensee before the surrender.

Taking of water under the authority of this Water Licence is subject to the licensee having approved works (ie. pump, bore etc) under the *Integrated Planning Act 1997* for the parcel of land on which the works are located.

For your information, approved works for a subartesian bore does exist for the land described as Lot 125 on DY316, and a copy of the details is attached. Please note that it is

DPI / DNR Complex, 203 Tor Street  
PO BOX 318 TOOWOOMBA  
Queensland 4350 Australia

Telephone + 61 7 (07) 4688 1000  
Facsimile + 61 7 (07) 4688 1188

Website [www.nrw.qld.gov.au](http://www.nrw.qld.gov.au)

not necessary to transfer this approval, as the development approval attaches to the land on which it is located. If you wish to discuss the development approval or the water licence with an officer of the department please call (07) 4688 1000.

The *Great Artesian Basin Resource Operations Plan* (GAB ROP) was released on the 23 February 2007. Please note that due to the release of the GAB ROP, the water year has now changed from 1 September – 31 August to 1 July – 30 June. This change will take effect for the 2007 – 2008 water year.

For further information a copy of the GAB ROP can be viewed at [http://www.nrw.qld.gov.au/wrp/pdf/gab/gab\\_rop.pdf](http://www.nrw.qld.gov.au/wrp/pdf/gab/gab_rop.pdf) or a hard copy can be obtained from a Departmental Office.

This water entitlement is given in accordance with section 228 (6) of the *Water Act 2000*.

Yours sincerely

s.49 - Signature

**For manager (water Services)  
SOUTHWEST REGION  
TOOWOOMBA**

RTI DL RELEASE - DNRM



INVESTIGATION REPORT --<TRANSFER> ENTITLEMENT  
WL No. 94461R

APPLICATION NUMBER:- N/A

**Application Details:**

Date Application or Dealing was received:- 23 July 2008

Is all of the original property still owned by the current licensee? No

New licensee: WAMBO CATTLE COMPANY PTY LIMITED

New address: ATTN: MAX WINDERS, GPO BOX 3137, BRISBANE QLD 4001

New client number: 49330

Evidence of Transfer: ATS Dealing

List all Development Permits Nos that are / or should be linked to THIS WATER LICENCE.

DP NO.	Works No.	Registered No.	Works Installed?/Lapsed? If lapsed unlink works from original auth.
168566	94461R	94461	Yes

Purpose:- Stock

Are all of the works installed? Yes

If NO – Are the DPs still current and if not, has a letter been sent to client? N/A

Are any of the proposed works noted as installed on renewal? N/A

If YES – Does an inprinciple allocation depend on this installation? N/A

Activity Parcels:- Lot 125 on DY316

Attached Parcels:- Lot 125 on DY316

Is this WL in a Management Area? Yes

**FOR GAB Management Areas**

If YES – SURA-E3 Management Sub Group

If YES – Surat East 3 Management Unit

If YES – Hutton Sandstone formation/unit – This should be updated on the Development Permit

**Act Provisions: - Transfer**

This application is being dealt with under Ch 2, Pt 6, Div 2, Subdiv 4 Other dealings water licences, s222.

**Contact with Client:**

The client has applied to transfer WL nos 94461R Located on Lot 125 on DY316 and drawing water from the Hutton Sandstone formation.

Native Title:

**TRANSFER APPLICATION**

The tenure of Lot 125 DY316 is Freehold and commenced on the 6 January 1993. In accordance with Chapter 2 Module AB of the *Native Title Work Procedures*, the grant of a licence or permit under the *Water Act 2000* may proceed without native title notification.

**RECOMMENDATION**

Having considered the facts I recommend that the application to renew be *Approved without Variation*.

Repeal Licence no's: N/A  
Amount Received:- N/A  
Receipt Number:- N/A  
New Expiry Date:- 31 May 2013

**CONDITIONS**

Stockwatering – Subartesian	1.01 Notice of any new or additional works	<input checked="" type="checkbox"/>
	1.70 Not for intensive stock	<input type="checkbox"/>
	6.21 No responsibility quality water taken/interfered	<input type="checkbox"/>

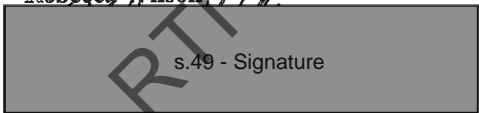
**CONSIDERATIONS**

No Information Notice is required.

**ACTIONS REQUIRED**


- Ensure works are linked as per details above

Reported:- 

Signature:-  s.49 - Signature

Position:- 

Date:- 11 August 2008

Approved:-  s.49 - Signature

Position:- W03

Date:- 11/8/08

Author : Margaret McClymont  
File: TMB/515/004(5188)  
Phone: (07) 4688 1000  
Client Ref: 17008R

11 JUL 2008

WAMBO CATTLE COMPANY LIMITED  
Attn: M.F. Winders  
PO BOX 3137  
BRISBANE QLD 4001

Dear Sir/Madam

**Decision on Application For Renewal of Water Licence: Reference 94461R  
Application 141455**

The Department of Natural Resources and Water delegates officers to exercise the power of the chief executive to make a decision about an application for renewal of a Water Licence. As a delegated officer of this Department, I have decided to approve the above application.

Attached is your Water Licence, which has been renewed in accordance with the provisions of the *Water Act 2000*. It is the licensee's responsibility to apply for renewal of this Water Licence before it expires irrespective of the chief executive sending an expiry notice.

The *Water Regulation 2002* was recently amended and provides the Department of Natural Resources and Water with the authority to meter water extractions in line with the Departments Statewide Metering Policy. This means all works used to take water under authority of this water licence will be required to have a Department owned meter installed.

The Department will be progressively metering all water bores, excluding stock and domestic bores over the next several years. The Department will formally advise you when metering commences in your area.

Licensees are able to take entitlement as stated on their water licence and as current groundwater water pumping restrictions permit.

DPI / DNR Complex, 203 Tor Street  
PO BOX 318 TOOWOOMBA  
Queensland 4350 Australia

Telephone + 61 7 (07) 4688 1000  
Facsimile + 61 7 (07) 4688 1188

Website [www.nrw.qld.gov.au](http://www.nrw.qld.gov.au)

Licensees purchasing and installing water meters for management purposes should ensure that they are installed to the Departments guidelines (attached) to ensure that when an area metering program rolls out, the transition costs are minimised.

The *Great Artesian Basin Resource Operations Plan* (GAB ROP) was released on the 23 February 2007. Please note that due to the release of the GAB ROP, the water year has now changed from 1 September – 31 August to 1 July – 30 June. This change will take effect for the 2007 – 2008 water year.

For further information a copy of the GAB ROP can be viewed at [http://www.nrw.qld.gov.au/wrp/pdf/gab/gab\\_rop.pdf](http://www.nrw.qld.gov.au/wrp/pdf/gab/gab_rop.pdf) or a hard copy can be obtained from a Departmental Office.

As your Water Licence is an important document, care should be taken to preserve it.

If you have any questions please call (07) 4688 1000.

Yours sincerely

s.49 - Signature

**For Manager (Water Services)  
SOUTHWEST REGION  
TOOWOOMBA**

RTI DL RELEASE - DNRM

# Investigation Report

Compiled on 2 June 2008 at 4:01 PM

Page 2 of 4

Application Reference 141455

The taking of underground water from HUTTON SANDSTONE under land described as Lot 125 on DY316

## ATTACHED TO LANDS (As Applied For)

Attached to the land described as Lot 125 on DY316

## PROPOSED WATER USE

Authorised Purpose Stock

## INVESTIGATION FINDINGS

### INVESTIGATION REPORT – <RENEWAL> STOCK WL No. 94461R

APPLICATION NUMBER:- 141455

#### Application Details:

Date Application or Dealing was received:- 18/04/2008

Was application received before expiry date:- Yes

Has the form been signed as per requirements? Yes

Is all of the original property still owned by the current licensee? Yes

List all Development Permits Nos that need to be linked to THIS WATER LICENCE and Water Licence Nos that correspond with the DP.

DP NO.	Works No.	Registered No.	Works Installed??
168566	94461R	94461	Y

Purpose:- STOCK

Are all of the works installed? YES

If NO – Are the DPs still current and if not, has a letter been sent to client? N/A

Are any of the proposed works noted as installed on renewal? N/A

Is this WL in a Management Area? YES

If YES – which area? SURAT EAST

#### FOR GAB Management Areas

If YES – SURA\_3 Management Sub Group

If YES – SURAT EAST 3 Management Unit

If YES – What HUTTON SANDSTONE formation/unit – This should be updated on the Development Permit

# Investigation Report

Compiled on 2 June 2008 at 4:01 PM

Page 3 of 4

Application Reference 141455

Location Parcels:- LOT 125/DY316

To Supply Parcels:- LOT 125/DY316

## Act Provisions: - Renewal

This application is being dealt with under Ch 2, Pt 6, Div 2, Subdiv 4 Other dealings water licences, s220.

## Contact with Client:

The client has applied to renew WL nos 94461R Located on Lot 125/DY316 and drawing water from the HUTTON SANDSTONE formation.

## Native Title:

FREEHOLD AND SCHEDULED INTERESTS

The tenure LOT 125/DY316 is FREEHOLD and commenced on the 06/01/1993. In accordance with Chapter 2 Module BA of the *Native Title Work Procedures*, the grant of a licence or permit under the *Water Act 2000* may proceed without native title notification.

## RECOMMENDATION

Having considered the facts I recommend that the application to renew be **Approved without Variation**.

Repeal Licence no's: N/A

Amount Received:-\$280.50 - 5 years

Receipt Number:- 3648739

New Expiry Date:- 31/05/2013

## CONDITIONS

Stockwatering – Subartesian	1.01 Notice of any new or additional works	
	1.70 Not for intensive stock	
	6.21 No responsibility quality water taken/interfered	

## CONSIDERATIONS

**No Information Notice is required.**

While there is the revocation/amendment and addition of conditions as part of this renewal, this is part of transition from the WRA 1989 and removing obsolete conditions does not change the effect.

## ACTIONS REQUIRED

- Link works (DP no., Works Ref.) as per amalgamation detailed above

Reported:- JAN MCCLYMONT

Released

# Investigation Report

Compiled on 2 June 2008 at 4:01 PM

Page 4 of 4

Application Reference 141455

**Signature:-** s.49 - Signature

**Position:-** AO2

**Date:-** 16/05/2008

**Approved:-** s.49 - Signature

**Position:-** AO3

**Date:-** 16/05/08

RTI DL RELEASE - DNRM



**APPLICATION FOR RENEWAL OR  
SURRENDER OF WATER LICENCE**

Water Act 2000

**Reference** 94461R **Expiry Date** 31/05/2008  
**Licensee** WAMBO CATTLE COMPANY LIMITED  
**Authorised Activity** The taking of underground water from SURAT EAST 3 MANAGEMENT UNIT (GREAT ARTESIAN BASIN) under land described as Lot 125 on DY316.  
**Authorised Purpose** Stock  
**Description of Land** Attached to the land described as Lot 125 on DY316

**Licensee**  
Specify the full name of all persons who hold this licence (eg John Bertram SMITH; Mary Louise SMITH) . In the case of a Corporation, please also supply the ACN.  
**Name(s)** WAMBO CATTLE COMPANY PTY LTD  
(Please print)  
**ACN** 05718326

**Contact and Correspondence**  
Specify the contact and correspondence details for the person who should be contacted in relation to this application. (You only need to do this once if a number of licences are to be renewed.)  
**Title** Mr  Mrs  Ms  Miss  Other (specify)  
**Full Name** MAXWELL FRANCIS WINDERS  
**Postal Address** GPO Box 3137 BRISBANE 4001  
**Preferred Phone** 07 3002 5588 **Email** maxw@mwaenviro.com.au  
**Alternative Phone** s78B(2) - Personal Information **Fax** 07 3002 5588

**Current Status of the Licence**  
 Are any works installed that could take water (ie. an existing bore or a pump in a watercourse) or that could interfere with the flow of water (ie. dam or weir)? Yes  No   
 Are any such works now in use? Yes  No   
 (NOTE: Portable pumping units are considered to be installed works.)

**PROPERLY MADE**  
**Name:** A. WILSON  
**Signature:** [Redacted] s.49 - Signature  
**Date:** 18/4/08

Dept. Natural Resources & Water  
 18 APR 2008  
 TOOWOOMBA

<b>OFFICE USE ONLY</b>	Fee Received \$ 280.50	File No. TMB/515/004(5188)
	Receipt No. 3648739	Client 17008R
	Application 141455	Authorisation 94461R
	Registration Date 18/04/08	Initials W

Sign on Last Page



**APPLICATION FOR RENEWAL OR SURRENDER**

Reference

94461R

Expiry Date

31/05/2008

Water Used Under this Licence						
How is water used - irrigation or, if other, please specify	Estimated volume used (Megalitres per year)	Area irrigated (Hectares)	Crop type	Amount applied (mm)	Application method & rate (eg Traveller 50mm/hour)	Pump details (Type & Size in mm)
						75mm Submersible
Stockwatering use:		Type of Stock	CATTLE		Number of stock	1000

**Declaration** (Please tick only one of the boxes below)

I/We apply for the renewal of this water licence for a period of (please specify number of whole years below) 5 years (maximum of 5 years at \$56.10 per year), or

I/We hereby give notice to surrender this water licence.

**Individual(s)**

Name (please print)

Signature

Date / /

Name (please print)

Signature

Date / /

**Incorporated Company or Association**

Executed for and on behalf of (Company/Association) WAMBO CATTLE COMPANY PTY. LTD.

by MAXWELL FRANCIS WOODERS Position DIRECTOR

Signature [Redacted] Date 17 / 4 / 08

Witnessed by JOANNA D KOPELKE

Signature [Redacted]

**Payment Options** (Please complete the appropriate details)

Cheque (Make payable to the "Department of Natural Resources and Water" and mark "Not Negotiable")

Bankcard       Mastercard       Visa       American Express

Card Number

Expiry Date / /      Name on card

Amount Paid \$      Cardholder's Signature

**This application must be received by the chief executive no later than the expiry date.**



Queensland  
Government  
Natural Resources  
and Water

WAMBO CATTLE COMPANY LIMITED  
Attn: M.F. Winders  
PO BOX 3137  
BRISBANE, QLD 4001

16 April 2008

Dear Licensee

**EXPIRY OF WATER LICENCE UNDER THE WATER ACT 2000**

The Department's records indicate that you have one or more water licences that are due to expire. In order to renew your licence(s) you must complete the attached Application for Renewal/Surrender form(s) and send to the office at the address below. If the licence is held jointly by two or more persons, please ensure that the full name of each person is supplied.

Licence fees apply to water licences. The prescribed fee is currently \$56.10 for each year for which a licence is granted. This fee is payable at the time of application, including for the renewal of a licence. Under current arrangements, where a licence is renewed, the maximum period for which it is granted is 5 years (at a maximum cost of \$280.50).

Please note that, in accordance with the provisions of the *Water Act 2000*, the application to renew a licence must be made before the day the licence expires. If an application for renewal is not received by the expiry date the authority to take or interfere with water given under the licence will cease unless an application to reinstate the licence is made within 30 business days of the expiry date. An application to reinstate a licence must be accompanied by the prescribed application fee of \$89.10, in addition to the licence fee.

If you do not intend to renew your licence(s), please indicate this in the space provided on the application form and return it to the office at the address below. In this case, the licence(s) will expire on the expiry date and will not be renewed.

Should you require any further information please contact the office at the address below.

Yours faithfully

Scott Spencer  
**DIRECTOR-GENERAL**  
**DEPARTMENT OF NATURAL RESOURCES AND WATER**

RECEIVED

Author : Gerry Harth  
File: TMB/515/004(5188)  
Phone: (07) 4688 1000

28 SEP 2007

WAMBO CATTLE COMPANY LIMITED  
Attn: M.F. Winders  
PO BOX 3137  
BRISBANE QLD 4001

Dear Sir/Madam

**Amendment of Water Licence: Reference 94461R**

Attached is an information notice, which is advice of the decision and the reasons for the decision for the abovementioned Water Licence granted with conditions in accordance with the provisions of the *Water Act 2000*.

As your Water Licence is an important document, care should be taken to preserve it.

Please note that this Water Licence does not negate the requirement to obtain any other approvals or to enter into other statutory arrangements, such as those relating to Aboriginal cultural heritage, which may be required. In particular, the *Aboriginal Cultural Heritage Act 2003*, which commenced on 16 April 2004, places a duty of care on anyone undertaking an activity to protect Aboriginal Cultural Heritage. Please refer to the attached information sheet for further information on this new piece of legislation.

Amended water charges were to commence on 1 January 2006 but were subsequently suspended awaiting an independent analysis of water planning and management costs. As an interim measure, until the above review has been completed, the water charging framework that existed at 31 December 2005 has been re-introduced as from 1 July 2006.

The annual water licence fee will apply to all new and renewal applications from 1 September 2006.

There are no water charges for the period 1 January 2006 to 30 June 2006.

DPI / DNR Complex, 203 Tor Street  
PO BOX 318 TOOWOOMBA  
Queensland 4350  
Australia  
Telephone + 61 7 (07) 4688 1000  
Facsimile + 61 7 (07) 4688 1188  
Website [www.nrw.qld.gov.au](http://www.nrw.qld.gov.au)  
Client Ref: 17008R

If you have any questions please call (07) 4688 1000.

Yours sincerely

s.49 - Signature

**For Manager  
Water Services  
Southwest Region  
TOOWOOMBA**

RTI DL RELEASE - DNRM

## Information Notice

### **Amendment to Water Licence: Reference 94461R**

This information notice is given in accordance with section 218 of the *Water Act 2000* ("the Act") in respect of the decision.

#### **Background Matters**

- Waterworks licence 94461 was granted in 1997 for construction of a water bore on Lot 125 on Dy316 to access the Precipice Sandstone Formation for stock intensive purposes.
- Letter dated 19 March 1998 advising that a nominal allocation of 360 megalitres from the Precipice Sandstone Formation may be approved providing the works result in a supply rate capable of servicing the demand.
- A water bore was constructed to a depth of 1101 metres in 2000.
- Geophysical logging of the water bore indicates that the Precipice Sandstone Formation does not exist under Lot 124 on DY316.
- The licensee was granted approval to access a different formation under authority of the water licence, the Hutton Sandstone Formation, on the basis that it would be for stock purposes only.
- The casing was perforated adjacent to the Hutton Sandstone Formation.
- A Show Cause Notice proposing to amend the water licence was sent to the licensee.
- The licensee responded with a submission regarding the Notice.

#### **Decision**

The Department of Natural Resources and Mines delegates officers to exercise the power of the chief executive to make decisions about applications for Water Licence.

As a delegated officer of this Department, I have decided to amend the purpose of stock intensive on water licence 94461R to stock and provide the following information about my decision.

This information notice is advice of my decision and the reasons for the decision. Copies of this information notice have been sent to all persons who made a properly made submission with respect to the application.

#### **Evidence Or Other Material On Which Findings Of Fact Were Made**

- Waterworks licence 94461R.
- Drill log number 02190 for construction of a water bore to 1059.5 metres under authority of waterworks licence 94461, (now 94461R).
- Facsimile from Max Winders & Associates dated 4 June 2001.
- Email dated 7 October 2002 from A McKay.
- Show Cause Notice dated 8 January 2007.
- Letter of response regarding the Notice dated 24 January 2007.
- Section 218 of the Water Act 2000
- Water Resource (Great Artesian basin) Plan 2006
- Great Artesian Basin Resource Operations Plan

### Findings On Material Questions Of Fact

- There is no evidence that the Precipice Sandstone Formation exists under Lot 125 on DY136.
- A supply from the Precipice Sandstone Formation has not been proven.
- Approval was provided to access the Hutton Sandstone Formation for stock purposes only.
- The casing in the water bore was perforated adjacent to the Hutton Sandstone Formation.
- The licensee does not demonstrate in the response letter to the Show Cause Notice that the Precipice Sandstone Formation exists under Lot 125 on DY316.

### Reasons For The Decision

- There is no evidence that the Precipice Sandstone Formation exists under Lot 125 on DY136.
- A supply from the Precipice Sandstone Formation has not been proven.
- Approval was provided to access the Hutton Sandstone Formation for stock purposes only.
- The licensee does not demonstrate in the response letter to the Show Cause Notice that the Precipice Sandstone Formation exists under Lot 125 on DY316.

If you are dissatisfied, you may apply for a review of the decision. This application must be in accordance with *sections 851, 861 to 864, 877 and 878 of the Water Act 2000*. Copies of these sections of the Act are enclosed. The application form must be supported by enough information to enable the reviewer to decide the application. An application for an internal review must be received at this office within 30 business days from the date you receive this notice.

Other persons may be entitled to apply for an internal review to the chief executive against the decision. It is the water entitlement holder's responsibility to enquire as to whether any person has applied for an internal review to the chief executive against the decision on the application for «tWAuthClass».

s.49 - Signature

Martin Moran  
Senior Natural Resource Officer  
Water Management & Use  
Toowoomba

# Investigation Report

Compiled on 31 May 2007 at 9:29 AM

Page 1 of 5

Application Reference 10695

## SUMMARY DETAILS

<b>Application Reference</b>	10695	<b>Authorisation Type</b>	Licence to Take Water
<b>Application Type</b>	Amend Application	<b>Client Reference</b>	17008R
<b>Authorisation Reference</b>	94461R	<b>File Reference</b>	TMB/515/004(5188)
<b>Office</b>	TBA - Toowoomba		
<b>Management Group</b>	GAB21 - GREAT ARTESIAN BASIN - SURAT EAST		
<b>Management Sub Group</b>	SURAT EAST 3 MANAGEMENT UNIT		

## APPLICANT DETAILS

### Client Persons:

<b>Surname/Corporation</b>	<b>First Name(s)</b>	<b>ABN/ACN</b>
WAMBO CATTLE COMPANY LIMITED		

### Client Contact Details:

<b>Given Names</b>	MAXWELL	<b>Surname</b>	WINDERS
<b>Postal Address</b>	Attn: M.F. Winders, PO BOX 3137, BRISBANE, QLD, 4001, AUSTRALIA		
<b>Preferred Phone</b>	07 3002 5500	<b>Facsimile</b>	07 3002 5588
<b>Alternate Phone</b>	0429 001 157	<b>Email</b>	maxw@maxwinders.com.au

## CLIENT COMMENTS

## STATUS HISTORY

<b>Status</b>	<b>Effective Date</b>	<b>Status Date</b>	<b>Officer</b>
Reported	31 May 2007	31 May 2007	Gerry Harth
Under Investigation	31 May 2007	31 May 2007	Gerry Harth
Awaiting Information	19 May 2006	19 May 2006	Kristie Mitchell
Under Investigation	29 June 1999	29 June 1999	W Vaschina
Submissions Closed	28 June 1999	29 June 1999	
Advertised	31 August 1998	28 June 1999	J Mercer
Received	28 August 1998	28 June 1999	Bev Burow

## ADVERTISING

Submissions close date: 18 September 1998

<b>Date</b>	<b>Newspaper</b>
29 August 1998	The Chronicle

# Investigation Report

Compiled on 31 May 2007 at 9:29 AM

Page 2 of 5

Application Reference 10695

Date Newspaper

## INTERESTED PARTIES

Date	Client Reference	Client Name	Role
------	------------------	-------------	------

## ACTIVITY DETAILS (As Applied For)

The taking of underground water from HUTTON SANDSTONE under land described as Lot 125 on DY316.

## ATTACHED TO LANDS (As Applied For)

Attached to the land described as Lot 125 on DY316

## PROPOSED WATER USE

Authorised Purpose Stock

## INVESTIGATION FINDINGS

### INVESTIGATION REPORT

Application for an Amendment to a WATER LICENCE

### INVESTIGATION REPORT - Amendment to water licence

Under section 218 of the *Water Act 2000*, the chief executive may amend a water licence if the chief executive is satisfied the licence should be amended.

#### Background

Wambo Cattle Company made application 9 October 1997 for a waterworks licence to construct a water bore to tap the Precipice Sandstone Formation under Lot 125 on DY316 and with an annual entitlement of 360 megalitres for the purpose of stock intensive.

Wambo Cattle Companies original plan was to access the Hutton Sandstone Formation for this purpose. However, due to other entitlements from that particular formation within interference zones for the area, they would not be able to secure an entitlement.

Waterworks licence 94461 was subsequently granted to construct a bore to access the Precipice Sandstone Formation. The licensee was advised in a letter dated 19 March 1998 that an entitlement of 360 megalitres may be approved providing the proposed works results in a supply capable of servicing the demand.

Wambo Cattle Company made application 26 August 1998 to increase the nominal entitlement from 360 to 480 megalitres and to add a purpose of industrial.

The Show Cause Notice originated due to the licensee not demonstrating that a water bore constructed under authority of waterworks licence 94461R intersected the Precipice Sandstone Formation.

The licensee constructed the water bore to a depth of 1059.5 metres. The licensee provided written advice 4 June 2001 that subsequent geophysical logging indicated that the Precipice Sandstone Formation was not evident.



# Investigation Report

Compiled on 31 May 2007 at 9:29 AM

Page 3 of 5

Application Reference 10695

The licensee also advised that the bore failed to show production of water during normal airlift development.

The letter also advises that the bore was deepened to 1101 metres without showing any further indication of the Precipice Sandstone Formation.

The licensee advises 11 May 2005 that a pump test was carried out immediately after the bore was deepened. The bore was pumped at a rate of 2 litres per second for 12 hours before it was discontinued. No results sheets of a pump test have been received at this office.

Approval was granted in 2002 for the licensee to access the Hutton Sandstone Formation for stock purposes only. The licensee subsequently perforated the casing adjacent to the Hutton Sandstone Formation.

The approval to tap into another formation other than stated on the water licence was granted subject to the bore to be only used for stock purposes.

## Show Cause Notice

A Show Cause Notice was sent to Wambo Cattle Company on the 8 January 2007 asking for written submission why the purpose stated on water licence 94461R should not be amended from stock intensive to stock.

Wambo Cattle Company provided written response to the Notice on 24 January 2007. A summary of that response is:

- Acknowledged that was no significant yield of water identified in the water bore.
- Has approved feedlot of 24,000 SCU. Currently stocked at 4875 SCU.
- Currently utilising water supply from storage dam supplemented by Arrow Energy coal seam methane gas water. Water quality limits use of that water.
- Requires the applied for entitlement of 360 ML to supplement the above water for continued growth of the feedlot to its licenced capacity.
- Believes that it can be demonstrated that the Precipice Sandstone Formation exists under Lot 125 on DY316 through further localised seismic studies.

## Summary

- The licensee has constructed a water bore on lot 124 DY316 and has not provided any evidence that the Precipice Sandstone Formation exists on that land.
- The license was granted on the basis that a supply from the Precipice Sandstone Formation was to be proven. The supply has not been proven.
- The licensee was granted approval to access a different formation under authority of the water licence, the Hutton Sandstone Formation, on the basis that it would be for stock purposes only.
- The licensee does not demonstrate in the response letter to the Show Cause Notice that the Precipice Sandstone Formation exists under Lot 125 on DY316.

## RECOMMENDATION

Having considered the facts I recommend that the authorised purpose on water licence 94461R be amended from stock intensive to stock.

Application Fee Paid \$    Receipt No.  
Period of Licence

**RECOMMENDED EXPIRY DATE**        **31 May 2008**

CONDITIONS Schedule A

1.01  
1.70  
6.21

RECOMMENDATION MADE BY  
Name of Investigating Officer    G Harth

# Investigation Report

Compiled on 31 May 2007 at 9:29 AM

Page 4 of 5

Application Reference 10695

Signature:

Position:

Date:

s.49 - Signature

STO

31 May 2007

## DRAFT TEMPLATE FOR AN INFORMATION NOTICE

### Background Matters

- Waterworks licence 94461 was granted in 1997 for construction of a water bore on Lot 125 on Dy316 to access the Precipice Sandstone Formation for stock intensive purposes.
- Letter dated 19 March 1998 advising that a nominal allocation of 360 megalitres from the Precipice Sandstone Formation may be approved providing the works result in a supply rate capable of servicing the demand.
- A water bore was constructed to a depth of 1101 metres in 2000.
- Geophysical logging of the water bore indicates that the Precipice Sandstone Formation does not exist under Lot 124 on DY316.
- The licensee was granted approval to access a different formation under authority of the water licence, the Hutton Sandstone Formation, on the basis that it would be for stock purposes only.
- The casing was perforated adjacent to the Hutton Sandstone Formation.
- A Show Cause Notice proposing to amend the water licence was sent to the licensee.
- The licensee responded with a submission regarding the Notice.

### Decision

The Department of Natural Resources and Mines delegates officers to exercise the power of the chief executive to make decisions about applications for Water Licence.

As a delegated officer of this Department, I have decided to amend the purpose of stock intensive on water licence 94461R to stock and provide the following information about my decision.

This information notice is advice of my decision and the reasons for the decision. Copies of this information notice have been sent to all persons who made a properly made submission with respect to the application.

### Evidence or other material on which the findings are based

- Waterworks licence 94461R.
- Drill log number 02190 for construction of a water bore to 1059.5 metres under authority of waterworks licence 94461, (now 94461R).
- Facsimile from Max Winders & Associates dated 4 June 2001.
- Email dated 7 October 2002 from A McKay.
- Show Cause Notice dated 8 January 2007.
- Letter of response regarding the Notice dated 24 January 2007.
- Section 218 of the Water Act 2000
- Water Resource (Great Artesian basin) Plan 2006
- Great Artesian Basin Resource Operations Plan

### Findings on material questions of fact

- There is no evidence that the Precipice Sandstone Formation exists under Lot 125 on DY136.
- A supply from the Precipice Sandstone Formation has not been proven.
- Approval was provided to access the Hutton Sandstone Formation for stock purposes only.
- The casing in the water bore was perforated adjacent to the Hutton Sandstone Formation.
- The licensee does not demonstrate in the response letter to the Show Cause Notice that the Precipice Sandstone Formation exists under Lot 125 on DY316.

### Reasons for the decision

- There is no evidence that the Precipice Sandstone Formation exists under Lot 125 on DY136.
- A supply from the Precipice Sandstone Formation has not been proven.
- Approval was provided to access the Hutton Sandstone Formation for stock purposes only.
- The licensee does not demonstrate in the response letter to the Show Cause Notice that the Precipice Sandstone Formation exists under Lot 125 on DY316.

# Investigation Report

Compiled on 31 May 2007 at 9:29 AM

Page 5 of 5

Application Reference 10695

Martin Moran  
Natural Resource Officer  
Water Management & Use  
Toowoomba

RTI DL RELEASE - DNRM

# WAMBO CATTLE COMPANY

Ref: L03307/MFW/WCC

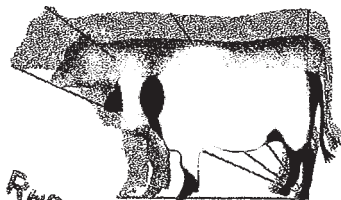
24<sup>th</sup> January 2007

Mr Gerry Harth  
Department of Natural Resources and Water  
PO Box 318  
TOOWOOMBA QLD 4350

Dept Natural Resources  
& Mines

29 JAN 2007

TOOWOOMBA



Wambo Cattle Company Pty Limited  
ABN: 92 058 718 326

Dear Mr Harth

**Re: Show Cause Notice (Amending of Water Licence 94461R)**

I wish to respond to the above show cause notice, dated 8 January 2007, on behalf of Wambo Cattle Company Pty.Ltd..

Wambo Cattle Company Pty.Ltd. is the owner of Lot 125 on Dy316, Parish of Miles and is the holder of Water Licence 94461R, for the purpose of "Stock Intensive", to take water from the Precipice Sandstone Formation. As noted, the bore was drilled to the basement rocks underlying the bore in that location. While the recovered chips indicated that sandstones were identified just below 1000 metres, there was no significant yield of water thus identified. After examination of seismic reports recovered from the Department of Mines, drilling was carried out to a depth of 1100 metres but did not intercept anymore of the Precipice Formation.

The licence condition required that the bore be cased to 900 metres. Application was made to perforate the casing above the lower end of the casing at points identified as potential aquifers. A short term drawdown test was then undertaken but with the pump only at 200 metres. It is now understood that the pump should have been set at 300 metres, the depth of the 250mm diameter pump well. The test pumping was stopped prior to the level falling to 200 metres. Due to a conflict between the test operator and myself over the conduct of this test, no test results were recorded. In my opinion, it is likely that this bore would yield no more than 60 ML per year.

The feedlot is licensed for 24,000 standard cattle units (Licence No. FL300) and is currently stocked at 4875 standard cattle units, with pens and other facilities for a further 3200 standard cattle units nearly completed. At 8075 scu, the likely water demand from the feedlot would be approximately 180 ML/yr. The water supply to the feedlot to date has been from a large water storage dam. The water level in the water storage dam has recently been supplemented by the supply of coal bed methane water from the nearby Arrow Energy gas field. However, due to the TDS of the CBM water, the amount of CBM water is limited at present by the volume of surface runoff into the storage dam necessary to reduce the TDS of the water supplied to the feedlot to a satisfactory level.

It is likely therefore, in the absence of receiving significant runoff into the water storage dam, that I will be unable to stock the pens nearing construction unless I can supplement the fresh water supply with water from the existing bore. Ergon has recently completed a new transmission line past the bore site and has installed a transformer, as requested and paid for by Wambo Cattle Company, such that the licensed bore can be equipped with a submersible pump and its discharge piped to the feedlot water supply. Thus the licence is required to be maintained as "Stock Intensive" and not "Stock Watering".

Level 15, Brisbane Club Tower, 241 Adelaide Street, Brisbane  
GPO Box 3137, Brisbane Qld 4001 (ABN 92 058 718 326)  
Ph: (07) 3002 5500 Fax: (07) 3002 5588 e-mail: mail@maxwinders.com.au

Mr Gerry Harth

24 January 2007

Re: Show Cause Notice (Amending of Water License 94461R) – Wambo Cattle Company Pty Ltd

Ref: L03307/MFW/WCC

In addition, the nominal allocation of 360 ML/yr for the bore is still required for the feedlot, to supplement the yield of the water storage dam during the continued growth of the feedlot to its licensed capacity, at least until its potential yield can be realised by drilling at another point on Lot 125 on Dy316 or until a confirmed supply of CBM water from Arrow Energy has been recognised and the feasibility of its desalination has been validated.

Thus Wambo Cattle Company has been actively seeking further geological information to support carrying out the detailed seismic studies which are necessary prior to drilling a bore to intersect the Precipice Formation in a location likely to yield more water because of its proximity to a fault or to its intersection with a greater thickness of Precipice Aquifer.

Arrow Energy has recently drilled approximately 50 gas wells in the locality into the Walloon Coal Measures which lie above the Hutton Sandstones. The bore logs of these, together with recent identification of a fault line through the eastern half of Lot 125, indicate that either or both of these scenarios are possible and I am discussing with Arrow the feasibility of initiating a localised seismic study which would identify their potential or otherwise.

In addition, Carbon Energy has just advised the company that they will be exploring for deeper coal measures suitable for underground gasification beneath Lot 125 and that they may be drilling a test bore on Lot 125 for this purpose.

It is considered therefore that I would, within the next twelve months, be able to satisfy your Grounds for Objection No. 6.3 by demonstrating that the Precipice Sandstone Formation exists under Lot 125 on Dy316 or that sufficient water is recoverable from the Hutton Sandstone that an application might be made for its supply to be licensed as "Stock Intensive" rather than as "Stock Watering".

I think you will find that the feedlot is quite viable and that its continued growth is supported by the industry and by the Wambo Shire Council. In addition, we are working together with Arrow Energy and the Braemar Power Station to rationalise the water resources potentially available to industries in this area of significant economic growth.

It is requested that you consider deferring the proposed actions for one year, during which Wambo Cattle Company will undertake the necessary investigations which would support the continued allocation of groundwater to Lot 125 Dy 316 for Stock Intensive purposes.

I would be pleased to meet with you in your office and show you the information which we have collected to date, with a view to further supporting the above request.

Yours sincerely

s78B(2) - Personal Information

M.F Winders

***Water Act 2000***  
**(Section 218)**

**Show Cause Notice**

**(Water Licence 94461R)**

**1.0 Citation**

1.1 This Notice may be cited as the Show Cause (Amending of Water Licence 94461R) Notice.

**2.0 Power to give notice**

2.1 This Notice is given under section 218 of the *Water Act 2000*.

**3.0 Reference to licensee**

3.1 A reference to licensee in this notice is a reference to the person/s specified in section 4.

**4.0 Licensee to whom this notice is given**

4.1 This notice is given to the holder of Water Licence 94461R:

Name: WAMBO CATTLE COMPANY LIMITED  
Address: C/O Max Winders and Associates  
PO Box 3137  
BRISBANE QLD 4001

**5.0 Proposed Action**

5.1 The chief executive proposes to amend the Authorised Activity of Water Licence 94461R from "The taking of underground water from the Precipice Sandstone Formation under land described as Lot 125 on DY316" to, "The taking of underground water from the Hutton Sandstone Formation under land described as Lot 125 on DY316".

5.2 The chief executive proposes to amend the Authorised Purpose of Water Licence 94461R from "Stock Intensive" to "Stock".

**6.0 Grounds for the Proposed Action**

- 6.1 The licensee has been granted authority to take the water from the Precipice Sandstone Formation of the Great Artesian Basin under the authority of Water Licence 94461R.
- 6.2 The licensee has constructed a water bore on Lot 125 DY316 to take water under authority of Water Licence 94461R.
- 6.3 The licensee has not provided any evidence that the Precipice Sandstone Formation of the Great Artesian Basin exists under Lot 125 DY316.

**7.0 Facts and Circumstances Forming the Grounds for the Proposed Action**

- 7.1 The water bore was originally constructed to access the Precipice Sandstone Formation of the Great Artesian Basin.
- 7.2 The water bore was drilled to the basement underlying the Great Artesian Basin and did not encounter the Precipice Sandstone Formation of the Great Artesian Basin.
- 7.3 Subsequently approval was granted to amend the construction of the water bore to access the Hutton Sandstone Formation of the Great Artesian Basin for stock purposes only.

**8.0 Submission About the Show Cause Notice**

- 8.1 The licensee may make a submission about this Show Cause Notice.
- 8.2 The submission must be in writing.
- 8.3 The submission must be sent to:  
Gerry Harth  
Department of Natural Resources and Water  
PO BOX 318  
TOOWOOMBA QLD 4350
- 8.4 The submission must be received at the above address by 4:30pm on 5 February 2007.

Note: If the licensee considers that the chief executive should not amend Water Licence 94461R, the submission should contain the grounds on which the licensee believes the licence should not be amended.

This Notice is given by the delegate of the chief executive:

Gerry Harth  
Senior Technical Officer (Groundwater Management)  
TOOWOOMBA

Signed: s.49 - Signature .....  
Date: ..... 8/1/07 .....

**End of Notice**

**INVESTIGATION REPORT  
TO CANCEL - WL No. 94461R**

**BACKGROUND INFORMATION:**

- Application for water works licence received on 09/10/1997 for a feedlot licence for 360ML from Precipice Sandstone.
- No submissions were received.
- Advertised on 11/10/1997.
- Investigation report compiled on 10/10/1997
- Application approved on 17/03/1998
- Licence originally issued on 17/03/1998 with an in-principle entitlement of 360ML. Expired on 28/02/1999.
- DP 168566 issued on 16/10/2002.
- Works under DP 168566 were constructed on the 28/02/2000 into the Hutton Sandstone. These works did not intersect water bearing beds in the Hutton Sandstone and had no water supply from this formation.
- Letter received on the 26/08/1998 by Wambo Cattle Co stated that there was only 15m of Precipice Sandstone under their property and that they actually require 432ML per year instead of 360ML granted in principle. They asked for an increase in entitlement to 480ML for Stock Intensive and Industrial uses. They submitted \$55.00 to amend this water licence.
- Water Licence 94461R was renewed on the 28/06/1999 until 28/02/2000.
- In response to the letter sent on the 26/08/1998 we stated that a class 3 driller would be required for this bore to be constructed. That if works were not constructed Wambo Cattle Co will be asked to show cause as to why this licence is not to be cancelled.
- There application to increase entitlement will be processed on completion of works. Under the GAB ROP this application will be refused.
- Wambo Cattle Co were asked to amend their water licence to include industrial, commercial or group domestic as a purpose as part of a proposed venture.



- Recommend to send show cause notice as to why water licence 94461R should not be cancelled due to there being no constructed works in the Precipice Sandstone linked to this water licence

**APPLICATION NUMBER:-** 10695

**DATE RECEIVED:-** 28/02/1999

Recommended Action:- wait for response from show cause notice sent on the 19/12/2006

**Reporting Officer:-** Kristie Mitchell

**Date:-** 18/12/2006

**Approved:-** \_\_\_\_\_

**Position:-** \_\_\_\_\_

**Date:-** \_\_\_\_\_

RTI DL RELEASE - DNRM

30 June, 1999

Wambo Cattle Co Limited  
C/- Max Winders & Associates  
GPO Box 3137  
BRISBANE Q 4001

Dear Sir

**WATERWORKS LICENCE NO 94461R**  
**EXPIRY DATE:- 28/02/2000**

Attached is the above Waterworks Licence for a proposed bore, renewed under the Water Resources Act 1989. Your attention is drawn to the explanatory notes attached and to the conditions endorsed on the Licence.

Please note the requirement on condition 1-3.60 where a currently licensed Class 3 driller must be contracted to drill this bore; and condition 3-1.052 with regard to casing specification.

The Licence has been issued until 28 February 2000. Should the works not be completed during the currency of this Licence, you will be asked to show cause why the Licence should not be cancelled.

A decision on Application No.10695 for an increase in nominal groundwater allocation pertaining to the proposed bore, will be made upon completion of construction and pump testing of the bore.

In reply to your letter dated 4 January 1999 regarding a proposed multi-user development and integrated water supply scheme on the subject property, advice is that such a proposal would be a private commercial venture between Wambo Cattle Co and others. As such, the proposal does not qualify for Government support or subsidy and Departmental involvement would be limited to allocation of the groundwater resource once the bore has been constructed and pump tested.

Wambo Cattle Co would also be required to apply to amend the bore licence to authorise the additional purpose of use i.e. industrial/ commercial/ group domestic. Construction of an additional bore would also require prior authorisation by another Waterworks Licence.

As your Licence is an important document, care should be taken to preserve it.

Yours faithfully

s.49 - Signature

Principal Officer (Water Resource Allocation & Management)  
**DARLING DOWNS DISTRICT**  
**TOOWOOMBA**

RTI DL RELEASE - DNRM

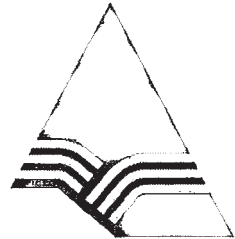


QUEENSLAND  
GOVERNMENT

# LICENCE

(Water Resources Act 1989)

Page 1 of 5



NATURAL  
RESOURCES

**Licence** 94461R **Expiry Date** 28/02/2000

**Licensee** WAMBO CATTLE CO. LIMITED

**Date of Original Issue** 17/03/1998

### Description of Works

Takes underground water by the construction and use of a Controlled Artesian bore  
Licensed Depth 1200 metres (DEPTH OF WORKS AS PROPOSED)  
Location of Works 125/DY316

**Purpose of Works** Stock Intensive

**Land Supplied** 125/DY316

This Licence is subject to the terms endorsed hereon or attached hereto. It is the licensee's responsibility to apply for renewal of this Licence before it expires.

Issued at TOOWOOMBA this TWENTY-EIGHTH day of JUNE 1999

TD Fenwick  
**DIRECTOR-GENERAL**  
**DEPARTMENT OF NATURAL RESOURCES**



Licence 94461R

Expiry Date 28/02/2000

Page 2 of 5



**Licence Terms      Schedule A**

- 1-1.10      The licensee shall notify the chief executive prior to any change or divestment of interest in the land whereon the licensed work is constructed or proposed to be constructed or on which the water is used or proposed to be used.
- 1-1.20      The licensee must construct the works with respect to which the licence is issued within two years after the issue of the licence.
- 1-1.30      The licensee must construct the works with respect to which the licence is issued to the satisfaction of the chief executive.
- 1-1.40      During the currency of the licence, the licensee must maintain to the satisfaction of the chief executive works constructed in accordance with the licence and must carry out any work or make any alteration deemed necessary by the chief executive for the protection or proper maintenance of the works.
- 1-1.50      The licensee must, upon construction of the works with respect to which the licence is issued, beneficially use the water that the licensee is entitled to take or use under the licence to the satisfaction of the chief executive.
- 1-3.10      The licensee must provide a copy of the licence to any person contracted to construct the works to which the licence relates, or, if there is no copy available, the licensee must make the licence available for perusal by the contractor.
- 1-3.20      The licensee must, with the assistance of the driller and within 14 days after the construction thereof, complete and return drilling logs provided by the chief executive in respect of every production bore and every test hole constructed under the authority of the licence. Completed forms must contain all requested information and include a sketch plan showing the location of each bore or hole in relation to one another and to property boundaries.
- 1-3.30      The licensee must, when so requested by the chief executive, forward to the chief executive for chemical analysis samples of water from the works with respect to which the licence is issued.



Licence 94461R

Expiry Date 28/02/2000

Page 3 of 5



**Licence Terms      Schedule A (continued)**

- 1-3.60      The works with respect to which the licence is issued must be constructed by a person who is the holder of a class 3 water bore drilling licence, such licence to be endorsed for the type of drilling operation to be used to construct the works.
- 1-3.71      The licensee shall give the chief executive at Toowoomba at least 3 days notice of the intention to start cementing.
- 1-8.10      The licensee must pay any fee or charge prescribed by regulation made under the Water Resources Act 1989.
- 3-1.040      The bore shall be constructed as directed by the chief executive to tap only the aquifer/s in Precipice Formation and shall not tap any aquifers above the Precipice Formation.
- 3-1.044      The depth of the bore shall not exceed the licensed depth.
- 3-1.051A      The lengths of bore casing shall be as approved by the chief executive to allow the flow from the target aquifer to be made fully controllable.
- 3-1.052A      The casing used shall be in accordance with Australian Standard AS 1396 - 1990 for steel bore casing or it shall meet such other specification for steel or other material as approved by the chief executive.
- 3-1.0532      The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the chief executive:  
Surface to 1200 metres - Minimum outside diameter of 127mm Steel Casing  
Surface to 60 metres - Minimum outside diameter of 152mm Steel Casing
- 3-1.057      The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- 3-1.0592      Cement grout shall be placed outside the following casing:  
152mm casing from 60 metres to surface  
127mm casing from 10 metres above the Precipice Formation.
- 3-1.060      All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.



Licence 94461R

Expiry Date 28/02/2000

Page 4 of 5



**Licence Terms      Schedule A (continued)**

- 3-1.060A All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- 3-1.062 The chief executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.
- 3-1.090 In the event of an artesian flow being obtained, the licensee shall carry out such works as the chief executive may direct to control the flow from the bore. The water shall not be distributed by bore drains but through valves and piping to tanks and/or troughing.
- 3-1.100A The headworks attached to the bore shall be of a design approved by the chief executive. This design requires that:
- the total flow from the bore can be controlled by gate valve.
  - any delivery pipelines be connected to the headworks by means of flanges or unions on the delivery side of the gate valve.
  - an unobstructed outlet and gate valve of sufficient size to pass the flush flow without significant back pressure be fitted for testing purposes.
  - a 12 mm (1/2 inch) socket with a 12 mm stop cock to take a pressure gauge be fitted so that bore pressures may be measured under all conditions of flow.
- 3-2.010A The chief executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 3-2.042 If the bore is abandoned the licensee shall plug the bore with cement between such depths as the chief executive directs.
- 3-2.050 If the chief executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the chief executive may consider necessary to eliminate or prevent such pollution.
- 3-2.070 This bore may be used to supply a feedlot only if the licensee is authorised in accordance with the Stock Act 1915-1989 and the licensee complies with the requirements of the Clean Waters Act of 1971-1988.



Licence 94461R

Expiry Date 28/02/2000

Page 5 of 5



**Licence Terms Schedule A (continued)**

- 3-4.0102 The real property associated with this bore shall be Lot 125 DY316 Parish of Miles, County of Derby.
- 3-4.020 A water year shall be from 1st September to 31st August.
- 3-4.042 After the completed bore is tested to the satisfaction of the chief executive, he shall prescribe the nominal allocation.
- 3-4.054 The announced allocation (the proportion of the aggregate nominal allocation which may be used in any water year) of this and other waterworks supplying the same associated real property shall be as approved by the chief executive.
- 3-4.100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the chief executive.
- 3-4.130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 3-5.014 Upon completion and equipping of the Waterworks Licence no. 94461 the licensee shall at his own expense supply and install a water meter on on the discharge side of the pump..
- 3-5.018 The meter/s shall be installed to the satisfaction of the chief executive.
- 3-5.020 The water meter shall be maintained at the expense of the licensee..
- 3-5.022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the chief executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 3-6.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the chief executive to monitor the effect of pumping from the bore.
- 5-5.070R The licensee shall record metered use quarterly and forward the records to the Chief Executive at the end of each quarter..

**End of Schedule A**

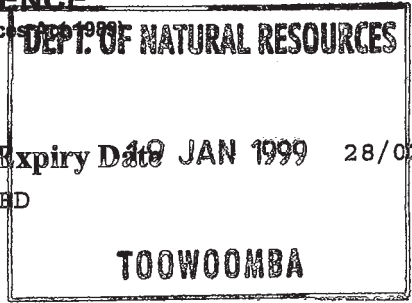




QUEENSLAND GOVERNMENT

APPLICATION FOR RENEWAL OR SURRENDER OF LICENCE

(Water Resources Act 1999)



Licence 94461R Expiry Date JAN 1999 28/02/1999
Licensee WAMBO CATTLE CO. LIMITED
Date of Original Issue 17/03/1998
Description of Works Takes underground water by the construction and use of a Controlled Artesian bore
Licensed Depth 1200 metres (DEPTH OF WORKS AS PROPOSED)
Location of Works 125/DY316
Purpose of Works Stock Intensive
Land Supplied 125/DY316

You must sign and date the section below for each licence to be renewed or surrendered

Declaration form with fields for Name, Signature, Position/Title, Date, and Common Seal. Includes a circular seal for Wambo Cattle Company Limited.

Please also complete the reverse side of this page

Renew to 28/02/2000

Table with columns: RESOURCE MANAGEMENT, REGISTRATION APPROVED, ACTIONED, File, Client, Application. Includes dates 28/6/99 and 28/6/00.

# APPLICATION FOR RENEWAL OR SURRENDER OF LICENCE QUESTIONNAIRE

**Licence** 94461R **Expiry Date** 28/02/1999  
**Licensee** WAMBO CATTLE CO. LIMITED

*Please complete both sections below.*

Licence Details	
<b>Current status of the works</b>	Are the details of your licence correct? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, specify changes to the licence (attach separate sheet if necessary). <hr/> <hr/> Are the works installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, give reason not installed. <u>WAITING FOR RESPONSE TO APPLICATION TO INCREASE ALLOCATION BEFORE SELECTING SIZE OF BORE TO BE INSTALLED.</u> <hr/> Are the works now in use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, specify current status of the works. <input type="checkbox"/> Abandoned and not capable of being used <input checked="" type="checkbox"/> Still capable of being used <u>when installed</u>

Reported Water Use						
Water used by the works <small>(for irrigated crops use last season)</small>	Type of crop irrigated or how water used	Area (Hectare)	Amount Applied (mm)	Volume Used (Megallitres)	Application Method (Spray/Flood/Trickle)	Pump Details (Type and Size)
<b>and / or Stock</b>	Type <u>pond for cattle feedlot</u>		Number <u>24000</u>			

*Please provide us with your latest contact details or indicate if a change of licensee name has occurred. (You only need to do this once if a number of licences are to be renewed or surrendered)*

Applicant Details	
<b>Name</b>	<hr/> <hr/>
<b>Attention (Optional)</b>	(eg, Principal, Secretary, Managing Director, etc) <hr/>
<b>Mailing Address</b>	Town <hr/> State <hr/> Postcode <hr/> Country <hr/>
<b>Telephone Contact Details</b>	Title <input type="checkbox"/> Mr <input type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/> Miss <input type="checkbox"/> Other (please specify) <hr/> Given Names <hr/> Surname <hr/> Preferred Phone <hr/> Facsimile <hr/> Alternate Phone <hr/> Email Address <hr/>

**DEPARTMENT OF NATURAL RESOURCES**

203 Tor Street

PO Box 318, Toowoomba QLD 4350

**WATERWORKS LICENCE NO. G 94461**

**WAMBO CATTLE CO LTD**

**WORKS:** Increase in the nominal annual groundwater allocation from 360 to 480 megalitres on Lot 125 DY316 Parish of Miles, County of Derby for Stock Intensive and Industrial Purposes. Property is on the Dalby Kogan Road, via Dalby.

Written objections to the applications are to be made to the Chief Executive at the above address. Closing date for the objections from landholders within 25 kilometres of the affected lands described above is 18/09/1998. Objectors must state their property description, grounds for objection and quote relevant application number.

Enquiries, Phone (07) 4688 1000

RECEIVED

13 AUG 1998

**With compliments**

*Max, licence appln as discussed. Just need to nominate  
Stock Intensive & Industrial on purpose & attach bore  
construction details*

*Regards  
Admin*

RTI DL RELEASE - DNRM

# Max Winders & Associates

Geological Engineers & Environmental Scientists

Ref: L28798/MFW

26 August 1998

Department of Natural Resources  
PO Box 318  
TOOWOOMBA QLD 4350

Attention: Mr Adrian McKay

Dear Adrian

Re: Wambo Cattle Co Limited - Waterworks Licence No. G-94461 - 125/DY316  
Par. MILES

Further to the issuance of the above licence on 17<sup>th</sup> March 1998, I have extensively investigated the design of a suitable bore, tapping the aquifers of the Precipice Formation that would be consistent with supplying the needs of the licensed 24,000 head feedlot and other industrial uses that could be developed in association with the feedlot on the site.

I have engaged Mr Dennis Russell (Country Groundwater Service) for advice in this regard and have discussed the drilling of the bore with Lewis Drilling.

It would appear that there is only 15 metres of continuous sandstone in the Precipice Formation which might limit the economic pumping rate from one bore.

In addition, the operation of the feedlot, at its licensed 24,000 head capacity, would be expected to require 432 MI/yr while the nominal allocation of the above Waterworks Licence is only 360 MI/yr. Operation of associated industrial uses is likely to require this to be further increased.

In view of the above, I have been advised to seek an increase in the nominal allocation to 480 MI/yr, for the Purpose of Works to be Stock Intensive and Industrial and for the initial bore to be constructed in accordance with the attached design.

I enclose a completed application form and cheque for \$55-00 for the modification of the above licence.

As drilling of the bore and its testing are important parts of the feedlot development program, including the site layout, and I have received a firm price from Lewis Drilling to construct the bore as shown, your early attention to this matter would be appreciated, enabling the drilling to commence soon thereafter.

Please contact me if any further information would assist.

Yours sincerely,

s78B(2) - Personal Information

M.F. WINDERS



# Drill log form

TMB15751004(5188)



1014601

Authorisation details  
 Registered number RN94461 Development permit number 607698 Works reference number \_\_\_\_\_

Queensland Government

SECTION A—LOCATION DETAILS  
 Name of landholder WAMBO CATTLE COMPANY P/L Phone No. 07-3002 5500  
 Postal address 610 Box 3137 BRISBANE QLD Postcode 4001  
 Real property address Lot 125 1933 DARBY/KOGAN Rd KOGAN QLD Postcode \_\_\_\_\_  
 Real property description Lot 125 Plan DY316 or Bore location GPS. Latitude 27.05.05 Longitude 150.54.03 Datum GDA 94  
 Easting 291860 Northing 7002444 Zone 56

SECTION B—BORE COMPLETION DETAILS  
 Date commenced 1 DRILLED  
 Date completed 26/02/2000

SECTION C—DRILLING METHOD  
 Rotary mud  Cable tool  
 Auger  Rotary air  
 Other \_\_\_\_\_

SECTION D—HOLE SIZE

Diameter (mm)	Location (metres)	
	From	To

SECTION I—BORE PURPOSE  
 Domestic  Stock  Irrigation  Commercial  
 Urban  Industrial Other (please specify) \_\_\_\_\_

SECTION J—PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (use more than one line if required)	Water bed thus (*)

SECTION K—WATER BEARING BEDS

Depth struck (metres)	Water rose to (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)

SECTION E—CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres)	
			From	To

WHEN SHOT. JUNE 5/8-2013.  
 1st 782.7 TO 784.5 1.8m  
 3A HOLES

Conductivity(EC) \_\_\_\_\_ pH \_\_\_\_\_

SECTION F—CENTRALISERS TYPE

Type	Location (metres)	
	From	To

784.5 TO 785.9m  
 1.4m GAP  
 785.9 TO 787.9m 2m

SECTION L—SUB ARTESIAN BORE ON COMPLETION  
 Depth to standing water level from ground level 36.5m (metres)  
 Depth to pump suction or bottom of drill stem \_\_\_\_\_ (metres)

SECTION G—PERFORATIONS/ SLOTS/ SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres)	
			From	To

38 HOLES  
 2nd. 654.1 TO 656.0 1.9m  
 37 HOLES  
 656.0 TO 657m 1m GAP  
 657.0 TO 659m 2m  
 38 HOLES

Type of test used  Air  Bail  Pump  
 Est. supply (litres/second) \_\_\_\_\_ Duration of test (hours) \_\_\_\_\_ Drawdown level from surface (metres) \_\_\_\_\_

SECTION H—CEMENTING/ GRAVEL PACK/ ANNULAR FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres)	
			From	To

3rd. 613.5 TO 616.0m 2.5m  
 50 HOLES  
 HOLES DONE BY 28" S/C BH.

SECTION M—ARTESIAN BORE ON COMPLETION  
 Pressure (kPa) \_\_\_\_\_ Free flow (litres/second) \_\_\_\_\_ Temperature (°C) \_\_\_\_\_

SECTION N—REMARKS

SECTION O—CERTIFICATION  
 I hereby certify that the bore is drilled and constructed according to the conditions of my driller's licence and the information provided in sections A to E and section H above is true, accurate and complete to the best of my knowledge and belief.  
 Driller B. ISBISTER Driller's Licence No. 3224  
 Trainee Driller \_\_\_\_\_ Driller's Licence No. \_\_\_\_\_  
 Signature of Driller \_\_\_\_\_ s.49 - Signature \_\_\_\_\_ Date JULY 17 2013  
 Contractor \_\_\_\_\_

Department of Environment and Resource Management White — forward to the Department of Environment and Resource Management. Pink — provide to landholder. Blue — Driller to retain.

Information being collected in this form will be used by this department for the purpose of processing your drill log form to record your water bore drilling activity under the authority of section 313 of the Water Act 2000. Your personal details will be accessed only by authorised officers within this department and will not be disclosed to any other third party without your consent except where required by law. The information collected will be retained as required by the Public Records Act 2002 (Qld) and may be stored in a departmental database. For more information on the department's privacy arrangements, please visit www.derm.qld.gov.au/privacy.

C.C.

DALBY

CD Del.

RTI DL RELEASE - DNRM

KOGAN

GARRING'S RD  
LOT 125

BORE  
2 KM

# DECISION NOTICE

## Application for a Development Permit *Sustainable Planning Act 2009*



**Development Permit**      607698      **Lapse Date**      31/03/2023

**Applicant**      WAMBO CATTLE COMPANY PTY LIMITED

### Approval Information

The application to construct or install works which allows the taking of or interfering with the flow of water on land described as Lot 125 on DY316 is approved by this agency subject to the conditions endorsed hereon.

This development permit authorises works to take or interfere with water. However, the taking of, or interference with, water by the operation of the works may proceed only:

- in accordance with a current water entitlement or water permit given under the *Water Act 2000*; or
- where the taking of, or interference with, water is otherwise authorised under the *Water Act 2000*.

It is an offence for a person to take, supply or interfere with water without appropriate authority under the *Water Act 2000*.

Given at Toowoomba this ELEVENTH day of MARCH 2013.

Dan Hunt  
**Director-General**  
Department of Natural Resources and Mines



## Development Permit 607698

### Schedule of Assessment Manager Conditions

#### Description of Approved Works

##### Works Reference 571587

Construction of a Artesian bore that taps the Hutton Sandstone.

Must be located on Lot 125 on DY316.

Registered Number 94461

#### Part A - General Conditions of the Works

##### DB04

The water bore must be constructed to tap only the aquifer(s) in the Hutton Sandstone and Evergreen formations .

##### DB39

The water bore authorised by this permit must be constructed and maintained at all times in accordance with the edition of this Department' s standard "Minimum standards for the construction and reconditioning of water bores that intersect the sediments of artesian basins in Queensland" that is current at the time of construction. Any subsequent decommissioning of the water bore must also be carried out in accordance with the edition of that same standard that is current at the time of decommissioning.

RTI DL RELEASED DNRM

**Development Permit 607698**

**Part A - General Conditions of the Approvals**

**D001**

The works approved under this permit are to be completed by the lapse date.

**D025**

The permittee must provide a copy of the permit to any person contracted to construct the works approved by this permit.

**END OF ASSESSMENT MANAGER CONDITIONS**

RTI DL RELEASE - DNRM

Client Ref: 231465  
File Ref: TMB/515/004(5188) 1

11 March 2013

WAMBO CATTLE COMPANY PTY LIMITED  
Attention to: ATTN: MAX WINDERS  
GPO BOX 3137  
BRISBANE QLD 4001

Dear Sir/Madam

**Application for Development: application reference 555406**

Attached is a decision notice, which is advice of the decision and the reasons for the decision for the abovementioned application, pursuant to section 334 of the *Sustainable Planning Act 2009*.

Please note that this Development does not negate the requirement to obtain any other approvals or to enter into other statutory arrangements, such as those relating to Aboriginal and Torres Strait Islander cultural heritage, which may be required. In particular, the *Aboriginal Cultural Heritage Act 2003* and the *Torres Strait Islander Cultural Heritage Act 2003*, places a duty of care on anyone undertaking an activity to protect Aboriginal and Torres Strait Islander Cultural Heritage. Please refer to the attached information sheet for further information on this legislation.

If you have any further enquiries please call (07) 45291394.

Yours Sincerely

s.49 - Signature

Caitlin Harris  
Natural Resource Officer

DEEDI / DERM Complex  
203 Tor Street TOOWOOMBA  
PO BOX 318  
TOOWOOMBA QLD 4350  
Telephone +61 7 45291394  
Facsimile +61 7 45291555  
Website <http://www.derm.qld.gov.au/>  
ABN 59 020 847 551

## Cultural heritage - your duty of care

The *Aboriginal Cultural Heritage Act 2003* and *Torres Strait Islander Cultural Heritage Act 2003* (the Acts) protects all Aboriginal cultural heritage in Queensland. This protection applies whether or not the Aboriginal cultural heritage has been identified or recorded in a database. The Department of Natural Resources and Mines is responsible for administering this legislation.

The Act requires anyone who carries out a land-use activity to exercise a duty of care, that is, they must take all reasonable and practical measures to ensure their activity does not harm Aboriginal cultural heritage. The duty of care applies to any activity where Aboriginal or Torres Strait Islander cultural heritage is located, including freehold land. Identifying the cultural heritage values of an area can be difficult. The area may be secret or sacred, incorporated into the landscape or under the soil surface.

The Acts, together with gazetted duty-of-care guidelines, provides guidance on how to proceed.

### Duty-of-care guidelines

Duty-of-care guidelines have been gazetted under the Acts and set out reasonable and practical measures to avoid harming Aboriginal cultural heritage and to meet duty-of-care requirements. They also provide guidance on identifying features likely to contain or constitute cultural heritage.

Following the duty-of-care guidelines will ensure land-use activities proceed lawfully in relation to Aboriginal and Torres Strait Islander cultural heritage. The guidelines recognise that some activities (such as driving along existing roads and tracks or cultivating areas currently subject to cultivation) are unlikely to harm Aboriginal or Torres Strait Islander cultural heritage. They also recognise that the nature and extent of past land uses in an area (such as development) may mean that any further activity in the area is unlikely to harm Aboriginal or Torres Strait Islander cultural heritage. Unfortunately, harm is likely to have already been caused to the cultural heritage. Despite this, it is recognised that Aboriginal and Torres Strait Islander cultural heritage may continue to lie below the surface. For this reason, the guidelines provide that, if at any time during your activity you excavate, relocate, remove or harm a cultural heritage find, you must notify the relevant Aboriginal or Torres Strait Islander party immediately and seek their advice on how best to proceed. Where the nature and extent of the past land use of an area is not inconsistent with the continued presence of Aboriginal or Torres Strait Islander cultural heritage, you should exercise greater caution before proceeding.

### Be safe

Before undertaking a land-use activity, it is advisable to check the duty-of-care guidelines and decide what, if any, precautions you need to take to adequately address the issue. This will not only ensure you avoid the risk of a substantial fine under the Act, but also that you are doing your bit to preserve our history and Queensland's Aboriginal and Torres Strait Islander cultural heritage.

### Financial penalty

Fines of up to \$100 000 for an individual and \$1 000 000 for a corporation apply for causing unlawful harm to Aboriginal and Torres Strait Islander cultural heritage or for breaching your duty of care.

### Further information

For further information on cultural heritage duty of care visit the Department of Natural Resources and Mines website <http://www.derm.qld.gov.au/> or contact:

Cultural Heritage Coordination Unit  
Department of Natural Resources and Mines  
GPO Box 2454  
Brisbane Qld 4001

Telephone: (07) 3239 3647  
Fax: (07) 3238 3842

# Investigation Report – Development Application

Parent Event ~~555406~~ Subevent ~~555407~~

Development Permit Number 607670

## 1. Background matters

### Application Details

Date application properly made: 19/02/2013  
Application Fee: \$106.10  
Receipt Number: 4187075

This application seeks to authorise the approval of a proposed bore within the Great Artesian Basin that will tap the Hutton Sandstone and Evergreen Formation under Lot 125/DY316 for stock purposes. There is an existing bore present, which will require perforation of the casing so that the bore will access only the Surat East 3 Management Unit (Hutton Sandstone or Evergreen Formation).

Stockwatering Bore 94461R - subevent ~~555407~~ 27°05'44.09"S, 150°53'54.51"E)

The Hutton Sandstone formation is a part of the Great Artesian Basin and is composed of coarse to fine grained sandstone with minor siltstone, mudstone and coal.

### Act Provisions:

The application is being dealt with under Chapter 6 of the *Sustainable Planning Act 2009*. Development Permits are code assessed under section 313 of the *Sustainable Planning Act 2009* and Schedule 5 Table 4 Part 1 item 3 of the *Sustainable Planning Regulation 2009*. The code for water dealings is the Water Act 2000 and its subordinate legislation.

### Resource Entitlement

The proposed works are to be used to access water authorised to be taken under Water Licence 94461R. The development application is consistent with this licence to take water. Recent changes to the *Sustainable Planning Act 2009* have omitted s264 and s260, therefore the chief executives written agreement is no longer required in order to submit a Development application.

### Native Title

A search of the Department's QNTIME database found there to be no conclusions or determinations in relation to native title over this land. There is an ILUA in the area however this is related to mining and is not relevant to this application. The tenure of the land is freehold and commenced on the 06/01/1993. In accordance with Chapter 2 Module BA of the *Native Title Work Procedures*, the grant of a licence or permit under the *Water Act 2000* may proceed without native title notification.

The application can now proceed; a documented decision (form 101) has been completed for this dealing.

## Investigation Report – Development Application

Parent Event 555406      Subevent 555407

### Management Group and Water Code

Management Group: Great Artesian Basin – Surat East (GAB21)  
Management Subgroup: Surat East 3 Management Unit (SURA\_E3)  
Water code: 4223.HUTTO (Hutton Sandstone)

### Metering

This bore is not required to be metered however this may change in the future.

### GAB ROP Chapter 4 Criteria for Protection of Existing Entitlements

According to Attachment D-1 of the Great Artesian Basin Resource Operations Plan 2007, the Surat East 3 Management Unit belongs to Transmissivity Group 150 (TG-150). TG-150 requires a minimum separation distance of 0.3 km from existing entitlements to take water where the proposed take is less than 50 ML/yr, according to Table 2 of the Great Artesian Basin Resource Operations Plan Implementation Note 1.0.

The closest neighbouring bore to the proposed bore site is bore RN 94029 and is approximately 2 km away. Bore RN 94029 is tapping the Hutton Sandstone and Evergreen Formation and is linked to Water Licence 86828R. This Water Licence authorises the take of 600 ML from the Surat East 3 Management Unit for Industrial purposes. It is not expected that the proposed bore will interfere with this or any other entitlements.

### GAB ROP Chapter 3 Protection of Flows to Springs and Base Flow Watercourses

A search on the spring protection register has indicated that the proposed bore is not expected to have any interference on artesian springs (latitude 27°05'44.09"S, and longitude 150°53'54.51"E; Surat East 3).

### Details of Works

This development permit application will approve one proposed subartesian bore to tap the Hutton Sandstone and Evergreen Formation in the Surat East 3 management unit. The proposed bore is to be located on Lot 125/DY316 for stock purposes. This bore has already been drilled but requires perforation of the casing so that it is tapping only the Surat East 3 management unit.

## 2. Material on which the findings are based

- The application made by Wambo Cattle Company on 19/02/2013
- Chapter 6 of the *Sustainable Planning Act 2009*
- Schedule 3 Part 1 Table 4 item 3 of the *Sustainable Planning Regulation 2009*
- Schedule 5 Part 1 Table 4 item 3 of the *Sustainable Planning Regulation 2009*
- Schedule 6 Table 3 item 3 of the *Sustainable Planning Regulation 2009*
- Schedule 14 item 15 of the *Sustainable Planning Regulation 2009*
- Section 63 and Schedule 16 of the *Water Regulation 2002*
- Section 966 of the *Water Act 2000*

## 3. Findings

In accordance with s.261 of the *Sustainable Planning Act 2009* the application is properly made.

## Investigation Report – Development Application

Parent Event 555406 . Subevent 555407

The works are assessable development under Schedule 3 Part 1 Table 4 item 3 of the *Sustainable Planning Regulation 2009*. The chief executive of this department is the assessment manager prescribed by Schedule 6 Table 3 item 3 of the *Sustainable Planning Regulation 2009*. As the chief executive administering the *Water Act 2000* is the assessment manager there is no referral agency.

Development applications are code assessed under section 313 of the *Sustainable Planning Act 2009*. The code for water dealings is the *Water Act 2000* and its subordinate legislation.

Under section 966 of the *Water Act 2000*, additional criteria for assessing development applications, subsection (2)(c) states that the chief executive must assess the development application against the purposes of the Act to the extent the purposes relate to the taking of water. To this end, the impacts on other water entitlements and authorities, natural ecosystems and physical integrity of the aquifer must be considered.

To this end, the impact on other water entitlements, natural ecosystems and physical integrity of watercourses, lakes, springs and aquifer were considered in the granting of the water licence. This however does not adequately deal with interference between existing neighbouring bores caused by pumping. Therefore, in accordance with Departmental policy, conditions have been applied to this development permit to minimise long and short term impacts on other water entitlements, natural ecosystems and the physical integrity of the aquifer.

### 4. Summary of Investigations and Outcomes

A development permit application was received by PALM on 19/02/2013 from Wambo Cattle Company. This application proposes to authorise the approval of one subartesian bore tapping the Hutton Sandstone and Evergreen Formation of the Surat East 3 management unit.

Conditions are to be applied to minimise long and short term impacts on other water entitlements, natural ecosystems and the physical integrity of the aquifer.

### 5. Recommendation

Having considered the facts I recommend that the application be approved **subject to conditions**.

Approved Development:

Development Permit number 607698

Construction of one subartesian bore that will tap the Hutton Sandstone and Evergreen Formation of the Surat East 3 management unit.

Must be located on Lot 125 DY316.

**Currency Period** 10 years

**Conditions Parent Event 555406**  
**Schedule A**

D001 – The works approved under this permit are to be completed by the lapse date.

# Investigation Report – Development Application

Parent Event 555406 Subevent 555407

D025 – The permittee must provide a copy of the permit to any person contracted to construct the works approved by this permit.

## Schedule B

N/A

## Conditions Subevents 555407

### Schedule A

DB04 – The water bore must be constructed to tap only aquifer(s) in the Hutton Sandstone and Evergreen Formation.

DB39 – The water bore authorised by this permit must be constructed and maintained at all times in accordance with the edition of this Department's standard "Minimum standards for the construction and reconditioning of water bores that intersect the sediments of artesian basins in Queensland" that is current at the time of construction. Any subsequent decommissioning of the water bore must also be carried out in accordance with the edition of that same standard that is current at the time of decommissioning.

## Schedule B

N/A

## 6. Actions

- Works are to be linked to Water Account 57800 (client reference 231465)
- Ensure Management Group is correct – Great Artesian Basin – Surat East (GAB21)
- Ensure Management Subgroup is correct – Surat East 3 Management Unit (SURA\_E3)
- Ensure Water Code is correct - 4223.HUTTO (Hutton Sandstone)

### Recommendation Made By:

Name of investigating officer:

Tony Andresen

Position of investigating officer:

Natural Resource Officer

Signature

s.49 - Signature

Date:

06/03/2013

### Approving Officer

Name of approving officer:

s.49 - Signature

Position of approving officer:

JANRO O

Delegation:

17

Competency:

2

I am delegated under Category 17 to make this decision as per SPA Delegation (No. 2) 2012 dated : 02/02/2012

Signature:

s.49 - Signature

Date:

08/3/13



AR038609

# IDAS form 1—Application details

(Sustainable Planning Act 2009 version 2.0 effective 17 December 2012)

RECEIVED

19 FEB 2012

PALM

This form must be used for ALL development applications.

You **MUST** complete ALL questions that are stated to be a mandatory requirement unless otherwise identified on this form.

For all development applications, you must:

- complete this form (*IDAS form 1—Application details*)
- complete any other forms relevant to your application
- provide any mandatory supporting information identified on the forms as being required to accompany your application.

Attach extra pages if there is insufficient space on this form.

All terms used on this form have the meaning given in the *Sustainable Planning Act 2009* or the *Sustainable Planning Regulation 2009*.

This form and any other IDAS form relevant to your application must be used for development applications relating to strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994* and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*. Whenever a planning scheme is mentioned, take it to mean land use plan for the strategic port land, Brisbane core port land or airport land.

PLEASE NOTE: This form is **not** required to accompany requests for compliance assessment.

This form can also be completed online using eDA at [www.smarteda.qld.gov.au](http://www.smarteda.qld.gov.au)

## Mandatory requirements

**Applicant details** (Note: the applicant is the person responsible for making the application and need not be the owner of the land. The applicant is responsible for ensuring the information provided on all IDAS application forms is correct. Any development permit or preliminary approval that may be issued as a consequence of this application will be issued to the applicant.)

Name/s (individual or company name in full)

WAMBO CATTLE COMPANY PTY LTD

For companies, contact name

MAX WINDERS

Postal address

GPO BOX 3137

Suburb

BRISBANE

State

QLD

Postcode

4001

Country (if other than Australia)

Contact phone number

07 3002 5500

Mobile number (non-mandatory requirement)

0448 800 490

Fax number (non-mandatory requirement)

07 3002 5588

e-mail address (non-mandatory requirement)

maxw

@ mwaenviro.com.au

Applicant's reference number (non-mandatory requirement)

[Empty box for applicant's reference number]

1. What is the nature of the development proposed and what type of approval is being sought?

Table A—Aspect 1 of the application (If there are additional aspects to the application please list in Table B—Aspect 2.)

a) What is the nature of the development? (Please only tick one box.)

- Material change of use
- Reconfiguring a lot
- Building work
- Operational work

b) What is the approval type? (Please only tick one box.)

- Preliminary approval under s241 of SPA
- Preliminary approval under s241 and s242 of SPA
- Development permit

c) Provide a brief description of the proposal, including use definition and number of buildings or structures where applicable (e.g. six unit apartment building defined as a multi-unit dwelling, 30 lot residential subdivision etc.)

Perforate casing of existing sub-artesian bore to access Surat East 3 Management Unit as per water licence 94461R.

d) What is the level of assessment? (Please only tick one box.)

- Impact assessment
- Code assessment

Table B—Aspect 2 of the application (If there are additional aspects to the application please list in Table C—Additional aspects of the application.)

a) What is the nature of development? (Please only tick one box.)

- Material change of use
- Reconfiguring a lot
- Building work
- Operational work

b) What is the approval type? (Please only tick one box.)

- Preliminary approval under s241 of SPA
- Preliminary approval under s241 and s242 of SPA
- Development permit

c) Provide a brief description of the proposal, including use definition and number of buildings or structures where applicable (e.g. six unit apartment building defined as a multi-unit dwelling, 30 lot residential subdivision etc.)

[Empty box for description of proposal]

d) What is the level of assessment?

- Impact assessment
- Code assessment

**Table C**—Additional aspects of the application (If there are additional aspects to the application please list in a separate table on an extra page and attach to this form.)

Refer attached schedule     Not required

**2. Is the application for a mobile and temporary environmentally relevant activity (ERA)?**

No—continue to question 3  
 Yes—complete Table D and then go to question 6

**Table D**—name of each local government area in which the mobile and temporary ERA is proposed to operate

**3. Location of the premises** (Complete Table E and/or Table F as applicable. Identify each lot in a separate row.)

**Table E**—street address and lot on plan for the premises or street address and lot on plan for the land adjoining or adjacent to the premises. (Note: this table is to be used for applications involving taking or interfering with water). (Attach a separate schedule if there is insufficient space in this table.)

Street address and lot on plan (All lots must be listed.)  
 Street address and lot on plan for the land adjoining or adjacent to the premises (Appropriate for development in water but adjoining or adjacent to land, e.g. jetty, pontoon. All lots must be listed)

Street address					Lot on plan description		Local government area (e.g. Logan, Cairns)
Lot	Unit no.	Street no.	Street name and official suburb/ locality name	Post-code	Lot no.	Plan type and plan no.	
i)		1933	Dalby-Kogan Rd, Dalby	4405	125	DY 316	Western Downs
ii)							
iii)							

**Planning scheme details** (If the premises involves multiple zones, clearly identify the relevant zone/s for each lot in a separate row in the below table. Non-mandatory.)

Lot	Applicable zone / precinct	Applicable local plan / precinct	Applicable overlay/s
i)			
ii)			
iii)			

**Table F** Premises coordinates (Appropriate for development in remote areas, over part of a lot or in water not adjoining or adjacent to land e.g. channel dredging in Moreton Bay.) (Attach a separate schedule if there is insufficient space in this table.)

Coordinates (Note: place each set of coordinates in a separate row.)				Zone reference	Datum	Local government area (if applicable)
Easting	Northing	Latitude	Longitude			
					<input type="checkbox"/> GDA94 <input type="checkbox"/> WGS84 <input type="checkbox"/> other	

**4. Total area of the premises on which the development is proposed (indicate square metres)**

725.5 HA

**5. Current use/s of the premises (e.g. vacant land, house, apartment building, cane farm etc.)**

CATTLE FEEDLOT AND GRAZING

**6. Are there any current approvals (e.g. a preliminary approval) associated with this application? (Non-mandatory requirement.)**

No     Yes—provide details below

List of approval reference/s	Date approved (dd/mm/yy)	Date approval lapses (dd/mm/yy)
Water Licence 94461R	11.07.2008	31.05.2013

**7. Is owner's consent required for this application? (Refer to notes at the end of this form for more information.)**

No     Yes—complete either Table G, Table H or Table I as applicable

**Table G**

Name of owner/s of the land

I/We, the above-mentioned owner/s of the land, consent to the making of this application.

Signature of owner/s of the land

Date

**Table H**

Name of owner/s of the land

The owner's written consent is attached or will be provided separately to the assessment manager

**Table I**

Name of owner/s of the land

By making this application, I, the applicant, declare that the owner has given written consent to the making of the application.

**8. Does the application involve a State resource?** (E.g. the application involves taking water or quarry material, or interfering with the flow of water. Refer to the notes at the end of this form for more information) (Non-mandatory requirement.)

- No                       Not identified whether or not the application involves a State resource                       Yes—complete Table J

**Table J**

Nature of State-owned resource (if identified)

**Groundwater (Surat East 3 Management Area – Great Artesian Basin)**

**9. Identify if any of the following apply to the premises** (Tick applicable box/es.)

- Adjacent to a water body, watercourse or aquifer (e.g. creek, river, lake, canal)—complete Table K
- On strategic port land under the *Transport Infrastructure Act 1994*—complete Table L
- In a tidal water area—complete Table M
- On Brisbane core port land under the *Transport Infrastructure Act 1994* (no table requires completion)
- On airport land under the *Airport Assets (Restructuring and Disposal) Act 2008* (no table requires completion)

**Table K**

Name of water body, watercourse or aquifer

**Table L**

Lot on plan description for strategic port land

Port authority for the lot

**Table M**

Name of local government for the tidal area (if applicable)

Port authority for the tidal area (if applicable)

**10. Are there any existing easements on the premises?** (e.g. for vehicular access, electricity, overland flow, water etc.)

- No     Yes—ensure the type, location and dimension of each easement is included in the plans submitted

**11. Does the proposal include new building work or operational work on the premises?** (Including any services.)

- No     Yes—ensure the nature, location and dimension of proposed works are included in plans submitted

**12. Is the payment of a portable long service leave levy applicable to this application? (Refer to notes at the end of this form for more information.)**

X No—go to question 14       Yes

**13. Has the portable long service leave levy been paid? (Refer to notes at the end of this form for more information.)**

No  
 Yes—complete Table N and submit with this application the yellow local government/private certifier's copy of the receipted QLeave form

**Table N**

Amount paid	Date paid (dd/mm/yy)	QLeave project number (6 digit number starting with A, B, E, L or P)

**14. Has the local government agreed to apply a superseded planning scheme to this application under section 96 of the Sustainable Planning Act 2009?**

X No  
 Yes—please provide details below

Name of local government	Date of written notice given by local government (dd/mm/yy)	Reference number of written notice given by local government (if applicable)

**15. List below all of the forms and supporting information that accompany this application (Include all IDAS forms, checklists, mandatory supporting information etc. that will be submitted as part of this application. Note: this question does not apply for applications made online using Smart eDA.)**

Description of attachment or title of attachment	Method of lodgement to assessment manager
Copy of Water Licence	POST
Sketch showing location of Bore	POST
Proposed works	POST
Bore log	POST
Bore construction diagram	POST

**16. Applicant's declaration**

By making this application, I declare that all information in this application is true and correct (Note: it is unlawful to provide false or misleading information.)

s78B(2) - Personal Information

Notes for completing this form

/ 18.2.2011



**Drawing References**  
 Terranean Geospatial Photogrammetry: 1m Contours, Dec 2004. Nearmap Aerial 23/07/11.  
 Steve Ring Surveys: Ground Survey, July 2005.

0 100 200 300m  
 Dwg Scale 1:10,000

**WAMBO CATTLE COMPANY**  
**MODIFICATION TO BORE 94661R**  
 Lot 125 on DY316  
 Dalby-Kogan Road,  
 Daandine, QLD

Wambo Cattle Company Pty Limited  
 ABRN: 62 088 718 328

**mwa**  
 MWA Environmental  
 100 Dalrymple Street, Brisbane QLD 4000  
 P 07 3250 1100 F 07 3250 1101  
 W www.mwa.com.au

**JOB**  
 WCC13-DA Bore 94661R  
**CLIENT**  
 WAMBO CATTLE COMPANY PTY LIMITED  
 c/o MWA Environmental  
**DRAWING NUMBER**  
 WCC13-DA-B-94661R-1

**DATE**  
 15/02/13  
**PROJECT**  
**WAMBO FEEDLOT**  
**FIGURE 1**  
**PROPERTY**  
**WATER RESOURCES**

# IDAS form 12—Taking or interfering with artesian or sub-artesian water

(Sustainable Planning Act 2009 version 2.0 effective 17 December 2012)

This form must be used for development applications for operational work that involve taking or interfering with artesian or sub-artesian water.

You **MUST** complete **ALL** questions that are stated to be a mandatory requirement unless otherwise identified on this form.

For all development applications you must:

- complete *IDAS form 1—Application details*
- complete any other forms relevant to your application
- provide any mandatory supporting information identified on the forms as being required to accompany your application.

Attach extra pages if there is insufficient space on this form.

All terms used on this form have the meaning given in the *Sustainable Planning Act 2009* or the *Sustainable Planning Regulation 2009*.

Note: If this development application involves a State resource, this application is not required to be supported by evidence of resource entitlement. The allocation or entitlement to the resource is a separate process and should be obtained prior to development commencing.

This form can also be completed online using eDA at [www.smarteda.qld.gov.au](http://www.smarteda.qld.gov.au)

## Mandatory requirements

### 1. Are the works existing?

No  Yes—provide date drilled (if known)

26.02.2000

### 2. Are the proposed works to replace or amend an existing authorised bore?

No  Yes—provide authorisation number

94461R

### 3. What is the nature of the proposed work? (Tick applicable box/es.)

- Installing a bore
- Excavating
- Sinking a well
- Constructing a collection network
- Other—specify below

Perforating casing to access Surat East 3 Management Unit (Great Artesian Basin) as per licence issued 11.07.2008



**4. What type of bore is proposed? (Tick applicable box/es.)**

- Sub-artesian bore (does not flow)
- Artesian bore (flowing)—controlled to headworks
- Artesian bore (not flowing)—ceased to flow

**5. What is the proposed depth of the bore or target formation?**

Maximum estimated depth (metres)	Target formation
779 m	Surat East 3 (Huttons, Evergreen)

**6. What is the local bore name? (Non-mandatory requirement.)**

**7. What are the details of the bore casing? (Non-mandatory requirement.)**

Diameter (millimetres)	From (metres)	To (metres)	Material (e.g. steel, PVC)
168.3mm x 6.4m	300	920	steel

**8. What are the details of the proposed work for excavation, well, collection work or other work? (Non-mandatory requirement.)**

Length (metres)	Width (metres)	Depth (metres)	Diameter (millimetres)

**9. What type of pump is proposed? (Tick applicable box/es. Non-mandatory requirement.)**

- Centrifugal
- Helical rotor
- Jet
- Submersible
- Turbine
- Piston
- Cylinder pump and windmill
- Other—specify below

**10. What are the details of the pump? (Non-mandatory requirement.)**

Inlet/bore (millimetres)	Outlet/stroke (millimetres)	Duty discharge (litres/sec)	Duty head (metres)

**11. What is the proposed motor type of the pump? (Non-mandatory requirement.)**

**12. Confirm that the following mandatory supporting information accompanies this application**

Mandatory information	Confirmation of lodgement	Method of lodgement
<b>A sketch plan showing:</b>		
the location of the proposed works, if known, and any existing works for taking artesian or sub-artesian water	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not applicable	POST
lot boundaries and descriptions	<input checked="" type="checkbox"/> Confirmed	POST
existing works	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not applicable	POST
the position of any watercourses or water bodies	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not applicable	POST
the position of any roads	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not applicable	POST
the position of any area to be irrigated.	<input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable	POST

**Privacy**—Please refer to your assessment manager, referral agency and/or building certifier for further details on the use of information recorded in this form.

**OFFICE USE ONLY**

Date received

Reference numbers

The *Sustainable Planning Act 2009* is administered by the Department of State Development, Infrastructure and Planning. This form and all other required application materials should be sent to your assessment manager and any referral agencies.

# Development Details 168566



Queensland  
Government

Natural Resources  
and Water

The information contained herein is a record of the works authorised by a development approval given by a decision notice under the *Integrated Planning Act 1997*. The conditions shown are conditions applied by this agency as the Assessment Manager which authorised the development.

## Statement of Approved Works

Development Permit                      168566  
Description of Land                      On Lot 125 on DY316

### Works Reference 94461R

Construction of an Artesian bore that taps the HUTTON SANDSTONE.  
Must not exceed a total depth of 1059.5 metres.  
Must be located on Lot 125 on DY316.  
Drilled on 26/06/2000.  
Registered Number 94461.

A change to the permit has been made at Toowoomba this THIRTIETH day of JULY 2008.

A handwritten signature in cursive script, reading "Scott Spencer".

Scott Spencer  
DIRECTOR-GENERAL  
DEPARTMENT OF NATURAL RESOURCES AND WATER

RT/DL RELEASE - DNRM

Development Permit 168566



**Queensland  
Government**

**Natural Resources  
and Water**

**Part A - General Conditions of the Approval**

**D003**

The permittee must notify the chief executive of the completion of the approved works within 30 business days after such completion. The notification must be given in writing to the chief executive of the Department of Natural Resources and Water.

**D025**

The permittee must provide a copy of the permit to any person contracted to construct the works approved by this permit.

**DB38**

The water bore authorised by this permit must be constructed and maintained at all times in accordance with the edition of the standard "Minimum construction requirements for water bores in Australia" that is current at the time of construction. Any subsequent decommissioning of the water bore must also be carried out in accordance with the edition of that same standard that is current at the time of decommissioning.

**END OF ASSESSMENT MANAGER CONDITIONS**

RTI DL RELEASED UNDER DNR/16



## Memo

**Your ref:**  
**Author:** Rosalie Hannah

**Our ref:** TMB/515/004(5188)  
**Phone:** 4688 1227  
**Fax:** 4688 1188

**Date:** 29/05/2008  
**From:** Rosalie Hannah  
**To:** File  
**Subject:** DP168566 variation

DP168566 was placed under vary due to the WA2000 conversion process.  
The works have been installed.  
All the conditions are correct.  
The Management Code is correct.  
The property descriptions are correct.

**ACTION:**  
That DP168566 be approved.

Rosalie Hannah  
**Technical Officer**

s.49 - Signature

BORE LICENCE NUMBER G-94461 BORE LOCAL NAME \_\_\_\_\_  
 NAME OF LICENSEE NAMBO CATTLE Co.  
 ADDRESS 11 MAX WINDERS & ASSOC. PL. G.P.O. Box 3157 BRISBANE  
 CONTRACTOR LALY BROS PL DRILLER T. HARGRAVE & R. DAL  
 TYPE OF DRILLING RIG USED FALLING 2500 DRILLERS LICENSE NO. 2946  
 DATE COMMENCED 4-2-00 DATE COMPLETED 26-2-2000 TEST HOLE NO. (if applicable) \_\_\_\_\_

PARTICULARS OF STRATA			HOLE SIZE				
FROM (metres)	TO (metres)	STRATA DESCRIPTION <small>Use more than one line if required</small>	WATER BEDS * THUS	BIT TYPE	DIAMETER (mm)	ALL DEPTHS FROM GROUND LEVEL	
0	1.5	yellow clay		BLADE	330	From 0 To 120	
1.5	3	rocky		ROLLER	311	From 120 To 320	
3	29	white sand		ROLLER	200	From 320 To 920	
29	47.5	grey sandy clay		ROLLER	158	CASING DETAILS 920 10595	
47.5	84	Block mudstone		STEEL	273.1	From 0 To 320	
84	87	shale trace of coal		STEEL	165	From 300 To 920	
87	128	shale		STEEL	127	From 916 To 10595	
128	128.5	Hard sand		CEMENTING DETAILS			
128.5	144	sandstone		HOLE DIAMETER (mm)	CASING DIAMETER (mm O.D.)	LOCATION (metres)	
144	145	Hard sand					
145	223	shale bit of coal		330/311	273.1	From 0 To 320	
223	370	Brown shale		200	168	From 320 To 920	
370	447	Hard shale		SLOTS/PERFORATIONS/SCREENS			
447	494	sandstone		PERFORATIONS No. & size per metre	Slots No. & size per metre	FROM (metres) TO (metres)	
494	590	shale			2x360+C	920 1059	
590	603	sandstone		SCREENS (Type) SIZE O.D. (mm) APERTURE (mm) TOP OF PACKER BOTTOM OF SCREEN			
603	888	shale & bands					
888	901.5	sandstone		GRAVEL PACK DETAILS FROM TO			
901.5	933	Grey shale	*	GRAVEL SIZE			
933	935	sandstone		WATER BEARING BEDS			
935	937	shale		DEPTH STRUCK (metres)	WATER ROSE TO (metres)	SUPPLY (litres per second)	QUALITY (potable, brackish, salty conductivity, pH)
937	957	shale					
957	964	shale & bands	*				
964	977	shale & bands					
977	995	shale					
995	1015	shale					
1015	1033	shale					
1033	1040	shale					
1040	1059	shale					
		shale		REMARKS			
		muds etc					

Supply full details of bore. Use extra page if necessary.  
 TOTAL DEPTH (metres) 1059.50  
 WATER SAMPLE TAKEN Yes No  
 HOLE ELECTRIC LOGGED Yes No  
 Tools Used \_\_\_\_\_

**PUMPING TEST ON COMPLETED SUB-ARTESIAN BORE** TYPE OF PUMP USED \_\_\_\_\_


DEPTH TO STANDING WATER LEVEL FROM GROUND LEVEL	DEPTH TO PUMP SUCTION OR BOTTOM OF DRILL STEM	SUPPLY (litres per second)	DURATION OF TEST (hours)	DRAWDOWN LEVEL FROM SURFACE (metres)
<u>Between 290 &amp; 320</u> (metres)	<u>320</u> (metres)	<u>—</u>		

**ARTESIAN BORE ON COMPLETION** TEMPERATURE \_\_\_\_\_ °C

TOTAL FLOW \_\_\_\_\_ litres/sec. CLOSED DOWN PRESSURE \_\_\_\_\_ kilopascals

SIGNATURE OF DRILLER \_\_\_\_\_ s.49 - Signature DATE 28/2/00

SIGNATURE OF LICENSEE \_\_\_\_\_ DATE \_\_\_\_\_



# NATURAL RESOURCES

## REPORT OF BORE CEMENTING

Name of Licencee **WAMBO CATTLE Co LTD**

Postal Address C/- Max Winders & Associates, PO Box 3137, Brisbane

Property Name ----- Address-----

Local Name of Bore----- Bore Licence No. 94461

Contractor **Daly Brothers**----- Rig Type **Failing 2500**

Driller **T Hawthorn** ----- Licence No. 2946

Date of Cementing **18 February 2000** ----- Monitored by **G Harth**

**DETAILS OF BORE**

Hole diameter **200.3** ----- mm      Depth from **320** -----m      Depth to **9220** -----m

Hole diameter----- mm      Depth from-----m      Depth to -----m

Hole diameter----- mm      Depth from-----m      Depth to -----m

Fluid in hole (Type) **Polymer** ----- S.G. **1.05**----- Viscosity **33** ----- secs

Condition of hole (drillers comment) **Good condition** -----

**CASING** (Include details surface pipe)

Type	Diameter (O.D.)	Wall Thickness	Depth from	Depth to
Steel	273.1 mm	9.3 mm	0 m	320 m
Steel	168 mm	6.4 mm	300m	920 m
	mm	mm	m	m
	mm	mm	m	m

Do bore casings meet standards **YES**      List casings Standards **API 5LB X 42**

**WELD RODS**      Casing welded **YES** Name of welder **T Hargraves & P Carlow**

Brand **WIA**----- Type **16TC**----- Size of weld rods -----**4 mm**

**CENTRALISERS** **NO** (Note: use of centralisers recommended)

Manufacturer/Type	Number	Spacing	Location

Float shoes, Cementing valves, Cementing Baskets, Back off joints

(Supply details and depths) Float shoe set at 168 m from bottom. Backoff joint set at top of 168 mm casing

Bridges and cementing slots in casing (supply details and depths)-----

If beds mudded off has pressure been tested **YES/NO**

Pressure ----- Time -----

Is hole losing fluid **NO**      supply details-----

Was circulation established **YES**      Circulation free **YES**

Type Pump----- Pressure----- kPa

**CEMENTING DETAILS**

Reason for cementing (Outer or Inner) Below pump well Inner casing

Method of water bed protection (details) -----

Depths to be cemented from 300 ----- m to 920 ----- m

Calculated volume of grout 6078 ----- l Mix (detail recipe, allowance for loss etc.) add 5% to mix. 2% bentonite

What was annulus pressure before cementing almost Zero ----- kPa

What was internal pressure before cementing Almost Zero ----- kPa

How was bore controlled for cementing (detail) -----

Details of cementing plant used (tanks, mixers etc) Tanks and flexitool pumps and rig mud pump. 1 concrete agitator

How was grout mixed By flexitool and concrete agitator ----- Type Pump

How was grout placed Thru valve on casing ----- Type Pump -----

Cement used ----- 120 bags ----- Sunstate Brand GP Portland Type

Mix Water used ----- 4817 l Conductivity 99 ----- P.H. 5.5

Mix water from (bore dam creek swamp other) creek with recent run off in it

Mix water colour (clear cloudy dirty muddy) Cloudy with tannin

Grout Additives Brand Type Recipe Supply Details 2% bentonite added

Specific Gravity of grout mixed 1.5 in 1 tank and 1.46 in the other Viscosity of grout Unable to measure

How and where was grout introduced into bore (detail) Through valve on bore headworks

Quantity of grout mixed 6382 l ----- Quantity of grout pumped into bore 6382 ----- l

How much fluid followed grout ----- 12562 l ----- Straight water Type of follow fluid

SG of follow fluid 1.0 ----- Any spacer fluids used 200 litres clean water

What was final cementing pressure ----- kPa Did pressure hold on completion YES/NO

Did grout reach surface YES/NO How much follow thru left then ----- l

Did grout recede ----- Top up quantity ----- l

NOTE: top up should be carried out immediately not left to next morning

How much grout remained inside bore -----

Was Cementing satisfactory (if no supply full details) YES -----

Estimated final location of grout column From ----- 300 m to ----- 920 m

Remarks (record any unusual factors) (were there any leaks in hoses or headworks) Drill stem was backed off and mud circulated to wash top of back off joint. A good return of grout was achieved. Indicating that job was successful.

Include separate sheet showing all calculations.

s.49 - Signature

Signature

25-2-2000

Date





QUEENSLAND GOVERNMENT

APPLICATION FOR RENEWAL OR SURRENDER OF LICENCE (Water Resources Act 1989)



Licence 94461R Expiry Date 28/02/2000
Licensee WAMBO CATTLE CO. LIMITED
Date of Original Issue 17/03/1998
Description of Works SUB-ARTESIAN
Takes underground water by the construction and use of a Controlled Artesian bore
Licensed Depth 1200 metres (DEPTH OF WORKS AS PROPOSED)
Location of Works 125/DY316
Purpose of Works Stock Intensive
Land Supplied 125/DY316

You must sign and date the section below for each licence to be renewed or surrendered

Declaration section with checkboxes for renewal or surrender, and signature fields for Name, Signature, Position/Title, and Date. Includes a common seal stamp for Wambo Cattle Co. Limited.

Please also complete the reverse side of this page

Handwritten note: Renew to 31/1/2001

Footer table with columns: RESOURCE MANAGEMENT USE ONLY, REGISTRATION APPROVED, ACTIONED, and File/Client/Application. Includes handwritten date 1/2/2000 and page number 113 of 144.

# APPLICATION FOR RENEWAL OR SURRENDER OF LICENCE QUESTIONNAIRE

**Licence**  
**Licensee**

94461R  
WAMBO CATTLE CO. LIMITED

**Expiry Date**

28/02/2000

**Please complete both sections below.**

Licence Details	
<b>Current status of the works</b>	Are the details of your licence correct? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, specify changes to the licence (attach separate sheet if necessary). <hr/> <hr/>
	Are the works installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, give reason not installed. <u>DRILLING PLANNED TO COMMENCE</u> <u>3 1/2.00 (SEE ATTACHED)</u>
	Are the works now in use? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, specify current status of the works. <input type="checkbox"/> Abandoned and not capable of being used <input type="checkbox"/> Still capable of being used

Reported Water Use						
Water used by the works <small>(for irrigated crops use last season)</small>	Type of crop irrigated or how water used	Area (Hectare)	Amount Applied (mm)	Volume Used (Megallitres)	Application Method (Spray/Flood/Trickle)	Pump Details (Type and Size)
and / or Stock    Type _____    Number _____						

**Please provide us with your latest contact details or indicate if a change of licensee name has occurred. (You only need to do this once if a number of licences are to be renewed or surrendered)**

Applicant Details	
<b>Name</b>	<u>As current</u>
<b>Attention (Optional)</b>	(eg, Principal, Secretary, Managing Director, etc)
<b>Mailing Address</b>	Town _____ State _____    Postcode _____    Country _____
<b>Telephone Contact Details</b>	Title <input type="checkbox"/> Mr <input type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/> Miss <input type="checkbox"/> Other (please specify) _____ Given Names _____ Surname _____ Preferred Phone _____    Facsimile _____ Alternate Phone _____    Email Address _____

**Max Winders & Associates**  
Consulting Engineers & Environmental Scientists

Ref: L2200/MFW

**RECEIVED**  
28 January 2000

DEPT. OF NATURAL RESOURCES  
31 JAN 2000  
TOOWOOMBA

Department of Natural Resources  
PO Box 318  
TOOWOOMBA QLD 4350

**Per Fax: 4688 1188**

**Attention: Mr Titmarsh**

Dear Mr Titmarsh

**Re: Wambo Cattle Company Bore – Licence No. 94461R**

Please find enclosed our Application for Renewal of the above licence.

You might note that, as at the current date, we have yet to construct the bore.

Nevertheless, after we received details of the construction and testing of the Lagoon Gully bore, we commissioned Australasian Groundwater and Environmental Consultants Pty. Ltd. to design and cost a bore and to then call for quotations for its construction and testing. I understand that their Mr Ian Callow has had discussions with your Mr Adrian McKay in this regard. Copies of Figures 1 & 2 of their report are appended to indicate the location and design of the bore. Macarthur Consulting then reported upon the financial viability of the bore for our company's information.

We have accepted a quotation from Daly Bros. Pty Ltd to construct the bore according to the specification and Australian Groundwater Services Pty Ltd will be engaged to carry out the test pumping upon completion. We have been advised that the drilling rig will be on site from 2 February 2000 to commence the bore.

It is expected therefore that the construction will be completed before the expiry date of the current licence.

Yours sincerely

s78B(2) - Personal Information

**M. F. Winders**



T 5188



# APPLICATION FOR WATERWORKS LICENCE

When completed please return to:  
DEPARTMENT OF NATURAL RESOURCES  
PO BOX 318, TOOWOOMBA Q 4350

TO THE CHIEF EXECUTIVE, DEPARTMENT OF NATURAL RESOURCES

I/We WAMBO CATTLE CO LIMITED of of MAX WINDERS & ASSOCIATES  
241 ADELAIDE ST, BRISBANE  
being the owners or lawful occupiers of land situated in the State of Queensland, do hereby apply for a licence  
to construct and use the works described herein. GPO. BOX 3137 BRISBANE 4001.

Dated this 26TH day of AUGUST 1998.

s78B(2) - Personal Information

Signature(s) of Applicant(s)

### PLEASE NOTE:

- The application with the prescribed fee of \$55 should be forwarded to the address shown above.  
\* Please note this fee does not apply to stock and domestic bores
- The onus is on the applicant to provide sufficient details including correct property descriptions. Failure to do so may render a subsequent licence invalid.

### APPLICANT DETAILS

Name: WAMBO CATTLE CO. LIMITED

Postal Address: of MAX WINDERS & ASSOCIATES PTY. LTD.  
GPO. BOX 3137 BRISBANE 4001

Property Address: \_\_\_\_\_

Telephone No: Home (07) 3356 3245  Business (07) 3221 5500   
(Please tick your preferred contact number)

### FOR OFFICE USE ONLY

APPLICATION FEE RECEIVED: \$ 55.00 RECEIPT NO: 1279674 DATE: 28-8-98

**BORES - ARTESIAN & SUB ARTESIAN**

APPLN NO:

Complete this section for a proposed or existing bore

Work situated on 125 DY316 (Portion, Lot, RP etc)

Parish MILES County DEBBY

Total Property Area 720 ha

To supply water to

125 DY316

Parish MILES County DEBBY

Work is now

Proposed  Existing (State date drilled)

Is application to replace/amend existing licence?  No  Yes (If yes, supply existing licence number) G-94461

Description of work  Sub-Artesian Bore  Artesian (flowing) bore

Local Bore Name

Depth of bore 1050 metres  Estimated  Actual

**Bore casing details**

Diameter (mm)	From (metres)	To (metres)	Material (Steel/PVC)
<u>266 OD</u>	<u>0</u>	<u>250</u>	<u>STEEL</u>
<u>168 OD</u>	<u>250</u>	<u>950</u>	<u>"</u>
<u>127 OD</u>	<u>950</u>	<u>1050</u>	<u>PELF STEEL</u>

Purpose of work

- Irrigation  Domestic  Dairying  Enviromental Enhancement  Other
- Crop type Stockwater  Industrial
- Area            ha
- Waterharvesting  Aquaculture  Piggery  Breeding sows  Feedlot 24,000 Maximum head

Required Annual Allocation: 480 megalitres from this source

**SKETCH PLAN SHOWING LOCATION OF WORKS**

Include property boundaries, real property descriptions, existing licensed works and, where applicable, the position of the stream and area to be irrigated.



see ~~G-94461~~ G-94461 LICENCE  
& ATTACHED SKETCH OF BORE DESIGN

Released

REPORT ON APPLICATION FOR  
WATERWORKS LICENCE (BORE)

APPLICATION NO. 94461

SPECIAL CONDITIONS:

RTI/DL RELEASE - DNRM

ADDITIONAL COMMENTS:

DETAILS OF APPLICATION, OBJECTORS AND REFERRALS

DRAFT LICENCE DOCUMENT AND SPECIAL CONDITIONS  
(TO BE COMPLETED IN CONJUNCTION WITH INSPECTION REPORT)

Applic. No:		Date of Applic.:		Date Received:	
WORKS	Type of Work		Depth: metres(Nominal yes/no)		
	<input type="checkbox"/> Existing Sub-Artesian Bore		Casing: Dia.(mm) Top(m) Bottom(m)		
	<input checked="" type="checkbox"/> Proposed Sub-Artesian Bore		(Nominal yes/no)		
	<input type="checkbox"/> Existing Artesian Bore		Cementing: Dia.(mm) Top(m) Bottom(m)		
	<input type="checkbox"/> Proposed Artesian Bore		(Nominal yes/no)		
	<input type="checkbox"/> Deepening				
<input type="checkbox"/> Re-Lining					
<input type="checkbox"/> Increase in Allocation					
SUB BASIN		SUB AREA		AQUIFER SYSTEM	
4223		GAB			
LOCATION of Work: 125 - D4 316					
Additional Relevant Property(eg. to Supply)					
Remarks (Siting Compliance):					
PURPOSE					
<input type="checkbox"/> Stock					
<input checked="" type="checkbox"/> Intensive Stockwatering(Feedlot,Piggery,Poultry)					
<input type="checkbox"/> Irrigation					
<input checked="" type="checkbox"/> Industrial					
<input type="checkbox"/> School Water Supply					
Other(Specify):					
OBJECTION DISTANCE					
Distance from Property Boundary: m/km					
Comments:					
PROCESSING (If Applicable)					
ADVERTISING					
Newspapers		Date Advertised		Objection Closing Date	
TOOWOOMBA CHRONICLE		29-8-98		18-9-98	
OBJECTIONS					
Received from		Date Received		Acknowledged	
ALLOCATION					
This Application Annual Requirement MI/W.Y.		Allocation MI/W.Y.		Potential Maximum Allocation MI/W.Y.	
		Existing	Proposed		

Name and Address of Licensee  
 WAMBO CATTLE CO LTD  
 C/- MAX WINDERS ASSOC  
 GPO BOX 3137  
 BRISBANE QLD 4001

Licence Number: 94461 Expiry Date: File Number: T 5188

Description of Works: INCREASE ALLOCATION FROM 360-480  
 INCLUDE INDUSTRIAL AS PURPOSE OF WORKS

Sub-Artesian/Artesian Bore  
 Licenced Depth: 1050 (PROP)  
 Year Drilled:

Location of Works:  
 Description: 125 - D4 316  
 Parish: MILES  
 County: DERBY

To Supply: (AS ABOVE)

Purpose of Works: FEEDLOT - INDUSTRIAL

Date of Original Issue:

LICENCE STRUCTURE (See over for Special Conditions)				
ACTION SEQUENCE				
	Signature	Date	Initials	Date
Investigated by			Computer Input	
Prepared by			Licence Issued	
Recommended			Report Filed	
Endorsed				
Approved				

19 MAR 1998

**REGISTERED**

Wambo Cattle Co Limited  
C/-Max Winders & Associates Pty Ltd  
PO Box 7145  
**RIVERSIDE CENTRE Q 4001**

Dear Sir/Madam

**WATERWORKS LICENCE NO G 94461**  
**EXPIRY DATE:- 28/02/1998**

Attached is the above Waterworks Licence for a bore issued under the Water Resources Act 1989-90 together with a copy of the Licence for the Drilling Contractor.

Your attention is drawn to the explanatory notes and to the conditions endorsed on the Licence.

The Licence has been issued for a period of twelve months and will be subject to renewal after that period either as proposed work if the bore has not been drilled or existing work if the bore has been completed and drilling logs have been submitted.

Please note the requirement on condition 1.150 where a currently licensed Class 3 driller must be contracted to drill this bore; and condition 1.052A with regard to casing specification.

Should the works not be completed during the currency of this Licence, a further renewal period of twelve months would be considered. Failure to complete the works after the second renewal period will result in you being asked to show cause why the Licence should not be cancelled.

Please note that in accordance with Condition 4.042 the nominal groundwater allocation will be determined upon completion of the work and receipt of drilling logs. It is very important that the supply obtained is indicated on the logs.

It is also important that any production bore obtained not be equipped until drilling logs are submitted, supply tested and a nominal groundwater allocation determined. The procurement and installation of equipment prior to an allocation being approved is at the risk of the Licensee.

Enquiries to: Mr Jim Osbaldeston Your Ref: Our Ref: ( T 5188 )  
203 Tor Street, PO Box 318, Toowoomba Q 4350  
Telephone (07) 4688 1000 Facsimile (07)4688 1188

**RESOURCE MANAGEMENT**



A nominal allocation of 360 megalitres may be approved providing the proposed work results in a supply rate capable of servicing the demand. Should a supply rate lower than that needed to meet the requirement be obtained, the nominal allocation will be determined on the basis of a reduced requirement as determined by the Licensee.

**Upon sale of the property on which the work is located or sale of any part of the property subject to benefit from the work, licences will need to be transferred and in the case of licences with an attached nominal groundwater allocation, the nominal allocation will need to be reviewed.**

**Under Section 49 of the Water Resources Act 1989-90, a licence ceases to exist from the date of disposal of the subdivided area and is subject to re-application if the area subdivided is greater than 1 hectare.**

Please ensure that you advise this Office of any change in property ownership including details of additional property acquired that will derive benefit from any existing or proposed work for which a nominal groundwater allocation applies.

If you are dissatisfied with the decision of the Chief Executive, you may appeal to the Land Court in accordance with Section 51 of the Water Resources Act 1989. A copy of Section 51 is enclosed and you are advised to read it carefully.

A notice of appeal must be filed in the Land Court registry within 30 days after the date of the notification of the decision. A copy of the notice must be served on the Chief Executive within 14 days after filing it in the Court. The notice of appeal must state the grounds upon which you intend to rely.

At such time and place as set down by the Land Court for hearing of any appeal, it would be necessary for you or your legal representative to appear and tender evidence in support of such appeal.

Your licence is an important document and care should be taken to preserve it.

Yours faithfully

s.49 - Signature

**for ACTING PRINCIPAL OFFICER  
WATER & CATCHMENT MANAGEMENT  
DARLING DOWNS DISTRICT**

# WATERWORKS LICENCE

Page 1 of 4

WAMBO CATTLE CO. LIMITED  
C/- M WINDERS & ASSOC. P/L  
PO BOX 7145  
BRISBANE QLD 4001

Licence Number G-94461 Expiry Date 28/02/1999

## Description of Works

CONTROLLED ARTESIAN BORE  
PROPOSED WORKS  
LICENSED DEPTH 1200.0 m

## Location of Works

125/DY316 PAR:MILES

## To Supply

125/DY316 PAR:MILES

Purpose of Works STOCK INTENSIVE

Date of Original Issue 17/03/1998

This Licence is issued under the Water Resources Act 1989 and is subject to the terms endorsed hereon or attached hereto.

It is the licensee's responsibility to apply for renewal of this Licence before it expires irrespective of the Chief Executive sending an expiry notice.

Issued at TOOWOOMBA this SEVENTEENTH of MARCH 1998

SENIOR TECHNICAL OFFICER

Customer No: 17008 File No: T 5188  
Dept. of Natural Resources, 203 TOR STREET, PO BOX 318, TOOWOOMBA, QLD, 4350  
Telephone: (076) 881 000 Facsimile: (076) 881 188

## Schedule of Licence Terms

Licence Number G-94461

Expires 28/02/1999

- 1.001A The drilling of any facility under the terms of this licence shall only be carried out by a driller who is licensed to construct the type of works described hereon.
- 1.010A The licensee shall supply a copy of this licence to the driller.
- 1.020A The licensee shall, with the assistance of the driller and within 14 days of the completion of the bore, complete and return Departmental drilling log forms containing details of every production bore and every test hole and he shall provide a sketch plan showing the location of each hole in relation to each other and to real property boundaries.
- 1.030A The licensee shall forward water samples for chemical analysis to the Chief Executive as directed by him.
- 1.040 The bore shall be constructed as directed by the Chief Executive to tap only the aquifer/s in Precipice Formation and shall not tap any aquifers above the Precipice Formation.
- 1.044 The depth of the bore shall not exceed the licensed depth.
- 1.050A The licensee shall install the work for which this licence is granted within two (2) years from the date of original issue of the licence.
- 1.051A The lengths of bore casing shall be as approved by the Chief Executive to allow the flow from the target aquifer to be made fully controllable.
- 1.052A The casing used shall be in accordance with Australian Standard AS 1396 - 1990 for steel bore casing or it shall meet such other specification for steel or other material as approved by the Chief Executive.
- 1.0533 The bore shall be lined with the following strings of casing or tubing unless otherwise approved by the Chief Executive:  
Surface to 1200m - Minimum outside diameter of 127mm Steel Casing  
Surface to 60 metres - Minimum outside diameter of 152mm Steel Casing
- 1.057 The diameter of the bore hole shall be a minimum of 40 mm larger than the outside diameter of the outer casing to allow for at least 20mm thickness of cement grout.
- 1.0592 Cement grout shall be placed outside the following casing:  
152mm casing from 60 metres to surface  
127mm casing from 10 metres above the Precipice Formation.
- 1.060 All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any subsequent drilling continues.
- 1.060A All cementing shall be carried out in the presence of and to the satisfaction of the authorised officer who shall determine when any

Customer No: 17008

File No: T 5188

Dept. of Natural Resources, 203 TOR STREET, PO BOX 318, TOOWOOMBA, QLD, 4350

Telephone: (076) 881 000 Facsimile: (076) 881 188

## Schedule of Licence Terms

Licence Number G-94461

Expires 28/02/1999

subsequent drilling continues.

- 1.061 The licensee shall give the District Manager at Toowoomba at least 3 days notice of his intention to start cementing.
- 1.062 The Chief Executive may direct the licensee to carry out any protective cementings he considers necessary to exclude saline water or for any other purpose.
- 1.090 In the event of an artesian flow being obtained, the licensee shall carry out such works as the Chief Executive may direct to control the flow from the bore. The water shall not be distributed by bore drains but through valves and piping to tanks and/or troughing.
- 1.100A The headworks attached to the bore shall be of a design approved by the Chief Executive. This design requires that:
- the total flow from the bore can be controlled by gate valve.
  - any delivery pipelines be connected to the headworks by means of flanges or unions on the delivery side of the gate valve.
  - an unobstructed outlet and gate valve of sufficient size to pass the flush flow without significant back pressure be fitted for testing purposes.
  - a 12 mm (1/2 inch) socket with a 12 mm stop cock to take a pressure gauge be fitted so that bore pressures may be measured under all conditions of flow.
- 1.150 This bore shall be constructed by a Class 3 licensed driller.
- 2.010A The Chief Executive or any person authorised by him shall have full and free access to the bore at all reasonable times for the purpose of carrying out any inspection or test of the bore and its fittings or of reading or repairing any water meter installed.
- 2.020A The licensee shall carry out any work or make any alteration deemed necessary by the Chief Executive for the protection or proper maintenance of the bore.
- 2.030A The licensee or his personal representative or his successor in interest shall notify the Chief Executive immediately of any change or divestment of interest in the land whereon the bore is constructed or proposed to be constructed.
- 2.042 If the bore is abandoned the licensee shall plug the bore with cement between such depths as the Chief Executive directs.
- 2.050 If the Chief Executive considers that pollution of the aquifer is occurring or may occur as a result of the manner in which water from the bore is being used, the licensee shall carry out such remedial measures as the Chief Executive may consider necessary to eliminate or prevent such pollution.
- 2.070 This bore may be used to supply a feedlot only if the licensee is authorised in accordance with the Stock Act

Customer No: 17008

File No: T 5188

Dept. of Natural Resources, 203 TOR STREET, PO BOX 318, TOOWOOMBA, QLD, 4350

Telephone: (076) 881 000 Facsimile: (076) 881 188

Released

## Schedule of Licence Terms

Licence Number G-94461

Expires 28/02/1999

1915-1989 and the licensee complies with the requirements of the Clean Waters Act of 1971-1988.

- 4.0102 The real property associated with this bore shall be Lot 125 DY316 Parish of Miles, County of Derby.
- 4.020 A water year shall be from 1st September to 31st August.
- 4.042 After the completed bore is tested to the satisfaction of the Chief Executive, he shall prescribe the nominal allocation.
- 4.054 The announced allocation (the proportion of the aggregate nominal allocation which may be used in any water year) of this and other waterworks supplying the same associated real property shall be as approved by the Chief Executive.
- 4.100 Should the real property associated with this bore be sold in part or in whole, the allocation shall be redistributed, reduced or revoked in a manner determined by the Chief Executive.
- 4.130 The volume of water withdrawn in any water year shall not exceed the allocation.
- 5.014 Upon completion and equipping of the Waterworks Licence no. 94461 the licensee shall at his own expense supply and install a water meter on on the discharge side of the pump..
- 5.018 The meter/s shall be installed to the satisfaction of the Chief Executive.
- 5.020 The water meter shall be maintained at the expense of the licensee..
- 5.022 The licensee shall ensure that the meter is not removed for any reason without the written approval of the Chief Executive and the licensee shall ensure that no action is taken which results in the meter failing to correctly measure the volume of water withdrawn by means of the licensed work.
- 5.070 The licensee shall record metered use quarterly and forward the records to the Chief Executive at the end of each quarter..
- 6.007 The licensee shall install in the bore a high pressure air line of a type and in a manner approved by the Chief Executive to monitor the effect of pumping from the bore.

--oOo--

**WATERWORKS LICENCE APPLICATION NO. G 94461**

**WAMBO CATTLE CO LTD**

**WORKS:** Proposed artesian bore to a nominal depth of 1200 metres, targeting the Precipice Sandstones on Lot 125 DY316 Parish of Miles, County of Derby to meet the Stock Intensive requirements of a 24000 head feedlot with a nominal annual groundwater allocation of 360 megalitres. Property is on the Dalby Kogan Road, Via, Dalby.

**WATERWORKS LICENCE APPLICATION NO. G 71444**

**ROUTLEY, KR & DM**

**WORKS:** To amend the purpose of existing sub artesian bore 135 metres deep on Lot 3 RP97490 Parish of Dalby, County of Aubigny to Irrigation. To meet the irrigation requirements of 10 hectares of Lucerne and Pasture with a nominal annual groundwater allocation of 100 megalitres. Property is on the Warrego Highway, Dalby.

Written objections to the applications are to be made to the Chief Executive at the above address. Closing date for the objections from landholders within 500 metres of the affected lands described above and in the case of Licence No G 94460 all landholders in Sub Areas 4 and 5 of the Condamine Groundwater Management Area and for Licence Application No. G 94461 any landholder within 25 kilometres of the affected lands is 07/11/1997. Objectors must state their property description, grounds for objection and quote relevant application number.

Enquiries, Phone (076) 88 1000

Released

SKETCH PLAN SHOWING LOCATION OF WORKS

Include property boundaries, real property descriptions, existing licensed works and, where applicable, the position of the stream and area to be irrigated.



APPLICATION FOR WATERWORKS LICENCE

When completed please return to:  
DEPARTMENT OF NATURAL RESOURCES  
PO BOX 318, TOOWOOMBA Q 4350

CN 17008

TO THE CHIEF EXECUTIVE, DEPARTMENT OF NATURAL RESOURCES

I/We WAMBO CATTLE CO. LIMITED of 10 MARKET ST., BRISBANE <sup>cf - MAX WINDERS & ASSOCIATES PTY. LTD.</sup>  
being the owners or lawful occupiers of land situated in the State of Queensland, do hereby apply for a licence to construct and use the works described herein.

Dated this 9th day of OCTOBER 19 97

678B(2) - Personal Information

Signature(s) of Applicant(s)

PLEASE NOTE:

1. The application with the prescribed fee of \$55 should be forwarded to the address shown above.
2. The onus is on the applicant to provide sufficient details including correct property descriptions. Failure to do so may render a subsequent licence invalid.

APPLICANT DETAILS

Name: WAMBO CATTLE CO. LIMITED  
cf - MAX WINDERS & ASSOCIATES PTY. LTD.

Postal Address: P.O. BOX 7145 RIVERSIDE CENTRE  
QLD 4001

Property Address: DALBY - KOGAN RD., VIA DALBY

Telephone No: Home (07 ) 3356 3245  Business (07 ) 3221 5500   
(Please tick your preferred contact number)

FOR OFFICE USE ONLY

APPLICATION FEE RECEIVED: \$ 55.00 RECEIPT NO: TBA DATE: 9-10-97  
34 3358

RTI DL RELEASED

**PUMPING FROM A WATERCOURSE**

Complete this section to take water from a watercourse (including regulated streams)

Name of Watercourse \_\_\_\_\_  
Work situated on \_\_\_\_\_ (Portion, Lot, RP etc)  
Parish \_\_\_\_\_ County \_\_\_\_\_

To supply water to \_\_\_\_\_  
Parish \_\_\_\_\_ County \_\_\_\_\_

Work is now  Proposed  Existing  
Is application to replace/amend existing licence?  No  Yes (If yes, supply existing licence number) \_\_\_\_\_

Description of work  
Pump Type  Centrifugal  Mixed Flow  Helical Rotor  Jet  
 Submersible  Axial Flow  Turbine  Piston  
Other \_\_\_\_\_ (Specify type and size)  
Size Intake/Bore \_\_\_\_\_ mm x Outlet/Stroke \_\_\_\_\_ mm  
Duty Discharge \_\_\_\_\_ litres/second Duty head \_\_\_\_\_ metres

Gravity Diversion Channel Max depth \_\_\_\_\_ metres Length \_\_\_\_\_ metres  
Top width \_\_\_\_\_ metres Bottom width \_\_\_\_\_ metres  
Pipe Diameter \_\_\_\_\_ mm Length \_\_\_\_\_ metres

Purpose of work  Irrigation Crop type \_\_\_\_\_ Area \_\_\_\_\_ ha  
 Domestic  Stockwater  Waterharvesting  Aquaculture  
 Dairying  Industrial  Piggery \_\_\_\_\_ Breeding sows  
 Environmental Enhancement  Feedlot \_\_\_\_\_ Maximum head  
Other \_\_\_\_\_

Required Annual Allocation: \_\_\_\_\_ megalitres from this source (For regulated streams only)

**STORAGES**

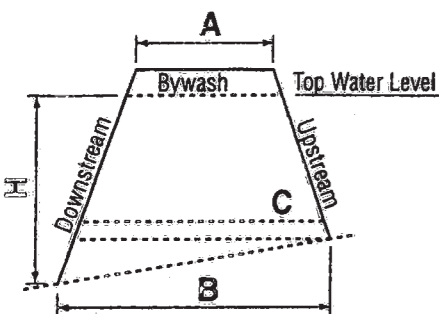
Complete this section for a storage located on a watercourse and/or referable dam.

Name of Watercourse \_\_\_\_\_  
Work situated on \_\_\_\_\_ (Portion, Lot, RP etc)  
Parish \_\_\_\_\_ County \_\_\_\_\_

To supply water to \_\_\_\_\_  
Parish \_\_\_\_\_ County \_\_\_\_\_

Work is now  Proposed  Existing  
Is application to replace/amend existing licence?  No  Yes (If yes, supply existing licence number) \_\_\_\_\_

Description of work  Dam  Weir  Excavation  
Construction method \_\_\_\_\_ eg Earth, Concrete, Rock etc.  
Height of Wall/Depth of excavation \_\_\_\_\_ metres  
Thickness at crest (A) \_\_\_\_\_ metres  
Length of crest/Excavation length \_\_\_\_\_ metres  
Base (B)/Excavation Width \_\_\_\_\_ metres  
Diameter of outlet pipe (C) \_\_\_\_\_ mm  
Height of bywash/spillway above bed level (H) \_\_\_\_\_ metres  
Width of bywash/spillway \_\_\_\_\_ metres  
Distance of backup at top water level \_\_\_\_\_ metres  
Storage capacity \_\_\_\_\_ megalitres (approx.)



Purpose of work  Irrigation  Domestic  Waterharvesting  Stockwater  
 Dairying  Industrial  Aquaculture  Piggery  
 Feedlot  Environmental Enhancement  Other \_\_\_\_\_

APPLN NO: \_\_\_\_\_

**BORES - ARTESIAN & SUB ARTESIAN**

Complete this section for a proposed or existing bore

Work situated on LOT 125 ON DY. 316 (Portion, Lot, RP etc)  
Parish MILES County DERBY  
Total Property Area 725.5 ha

To supply water to LOT 125 ON DY. 316  
Parish MILES County DERBY

Work is now  Proposed  Existing (State date drilled) \_\_\_\_\_  
Is application to replace/amend existing licence?  No  Yes (If yes, supply existing licence number) \_\_\_\_\_

Description of work  Sub-Artesian Bore  Artesian (flowing) bore  
Local Bore Name \_\_\_\_\_  
Depth of bore 1300 metres  Estimated  Actual

Bore casing details  
Diameter (mm) From (metres) To (metres) Material (Steel/PVC)  
TO BE DETERMINED \_\_\_\_\_  
Purpose of work  Irrigation Crop type \_\_\_\_\_ Area \_\_\_\_\_ ha  
 Domestic  Stockwater  Waterharvesting  Aquaculture  
 Dairying  Industrial  Piggery \_\_\_\_\_ Breeding sows  
 Environmental Enhancement  Feedlot 24000 Maximum head

Required Annual Allocation: 360 m<sup>3</sup>/yr megalitres from this source

**LEVEE BANKS, STREAM DIVERSIONS AND OTHER WORKS**

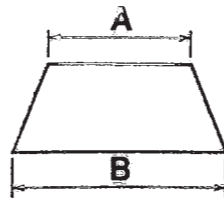
Complete this section for levee banks, stream diversions or other stream improvements

Name of Watercourse \_\_\_\_\_  
Work situated on \_\_\_\_\_ (Portion, Lot, RP etc)  
Parish \_\_\_\_\_ County \_\_\_\_\_

To supply water to \_\_\_\_\_  
Parish \_\_\_\_\_ County \_\_\_\_\_

Work is now  Proposed  Existing  
Is application to replace/amend existing licence?  No  Yes (If yes, supply existing licence number) \_\_\_\_\_

Description of work  
Levee Bank Maximum height \_\_\_\_\_ metres Total length \_\_\_\_\_ metres  
Thickness at crest (A) \_\_\_\_\_ metres  
Thickness at base (B) \_\_\_\_\_ metres  
Is there a Levee Bank on the opposite side of the stream?  Yes  No



Stream Diversion Channel Length \_\_\_\_\_ metres Depth \_\_\_\_\_ metres  
Pipe Top width \_\_\_\_\_ metres Bottom width \_\_\_\_\_ metres  
Diameter of pipes \_\_\_\_\_ mm Length \_\_\_\_\_ metres

Other Works (Provide full details of proposal) \_\_\_\_\_  
Purpose of work  Flood Prevention  Erosion Prevention  Stream diversion  
 Drainage Other \_\_\_\_\_

APPLN NO: 94461



# REPORT ON APPLICATION FOR WATERWORKS LICENCE (BORE)

APPLICATION NO. *94461*

*1.0592* 152mm CASING FROM 60m TO SURFACE.  
127mm CASING FROM 10m ABOVE  
PRECIPICE FORMATION TO SURFACE.

SPECIAL CONDITIONS:

**BORE DRILLED IN GAB SEDIMENTS - NON FLOWING**

- SIPRNF 1.040 1 \*\* ACQUIFER NAME \*\* *PRECIPICE FORMATION*
- SIPRNF 1.040 2 \*\* EXCLUDE CERTAIN ACQUIFERS \*\* *ALL ANY ~~OTHER~~ ~~ACQUIFERS~~ ABOVE THE PRECIPICE FORMATION*
- SIPRNF 1.044
- SIPRNF 1.051
- SIPRNF 1.052
- SIPRNF 1.0533 1 \*\* CASING DETAILS \*\* *SURFACE - 1200*
- SIPRNF 1.0533 2 *MIN OUTSIDE DIAMETER OF 127mm STEEL CASING*
- SIPRNF 1.0533 3 *MIN INSIDE DIAMETER OF 152mm STEEL CASING*
- SIPRNF 1.057 *1.0592* *SURFACE - 60m*
- SIPRNF 1.060
- SIPRNF 1.061 1 Toowoomba
- SIPRNF 1.061 2 *14* days
- SIPRNF 1.062 3
- SIPRNF 1.090
- SIPRNF 1.150 1 class of driller: *3*
- SIPRNF 2.042
- SIPRNF 2.050
- SIPRNF 2.070 1 *feedlot/piggery/poultry, etc*
- SIPRNF 4.010 1 \*\* DESCRIPTION \*\* *L125 D4316*
- SIPRNF 4.010 2 \*\* DESCRIPTION \*\* *PARISH HILLS COUNTY DERBY*
- SIPRNF 4.020 1 1st September to 31st August.
- SIPRNF 4.042
- SIPRNF 4.054
- SIPRNF 4.100
- SIPRNF 4.130
- SIPRNF 5.014 1 \*\*license no\*\* *94461*
- SIPRNF 5.014 2 on the discharge side of the pump.
- SIPRNF 5.018
- SIPRNF 5.020 1 licensee.
- SIPRNF 5.022
- SIPRNF 5.070 1 quarterly
- SIPRNF 5.070 2 at the end of each quarter.
- SIPRNF 6.007

RTI/DL RELEASE - DNRM

Applic. No: 94461 Date of Applic. 9/10/97 Date Received: 9/10/97

WORKS	Type of Work	Depth: <u>1200</u> metres (Nominal yes/no)
	<input type="checkbox"/> Existing Sub-Artesian Bore <input type="checkbox"/> Proposed Sub-Artesian Bore <input type="checkbox"/> Existing Artesian Bore <input checked="" type="checkbox"/> Proposed Artesian Bore <input type="checkbox"/> Deepening <input type="checkbox"/> Re-Lining <input type="checkbox"/> Increase in Allocation	Casing: Dia. (mm) Top (m) Bottom (m) (Nominal ..... yes/no) ..... Cementing: Dia. (mm) Top (m) Bottom (m) (Nominal ..... yes/no) .....

Name and Address of Licensee: Wainbo Cattle Co Ltd

Licence Number: 94461 Expiry Date: 28.2.99 File Number: 75188

SUB BASIN	SUB AREA	AQUIFER SYSTEM
<u>4223</u>	<u>GAB</u>	

LOCATION

Location of Work: 125/DY 316

Additional Relevant Property (eg. to Supply)

Description of Works: Artesian Bore  
~~Sub-Artesian/Artesian Bore~~

Licensed Depth: 1200 METRES

Year Drilled: Proposed

Remarks (Siting Compliance):

PURPOSE

Stock  
 Intensive Stockwatering (Feedlot, Piggery, Poultry)  
 Irrigation  
 Industrial  
 School Water Supply  
 Other (Specify):

Location of Works:  
 Description: 125/DY 316  
 Parish: Miles  
 County: Derby

To Supply: As Above

OBJECTION DISTANCE

Distance from Property Boundary: m/km

Comments:

PROCESSING (If Applicable)

ADVERTISING	Newspapers	Date Advertised	Objection Closing Date
	<u>Chronicle</u>	<u>1/10/97</u>	<u>7/10/97</u>

Purpose of Works: Stock Intensive

Date of Original Issue:

OBJECTIONS	Received from	Date Received	Acknowledged

LICENCE STRUCTURE (See over for Special Conditions)	<u>SIPRNF</u>
--	---------------

ALLOCATION	This Application Annual Requirement MI/W.Y.	Allocation MI/W.Y.		Potential Maximum Allocation MI/W.Y.
		Existing	Proposed	
	<u>360</u>	<u>0</u>	<u>360</u>	

ACTION SEQUENCE		Signature	Date	Initials	Date
Investigated by					
Prepared by			<u>10/10/97</u>		<u>9/3/98</u>
Recommended			<u>25/9/98</u>		
Endorsed					
Approved			<u>2/3/98</u>		

RTI/DL RELEASE - DNR/M



20 July 2000

Anderssen & Company Solicitors  
PO Box 163  
FORTITUDE VALLEY QLD 4006

ATT: Dale Ellerman

Dear Mr Ellerman

### WAMBO CATTLE COMPANY GROUNDWATER LICENCE

I note that you are acting on behalf of Wambo Cattle Company and refer to your fax dated 20 July 2000 regarding the above matter and advise as follows.

Waterworks Licence No. 94461R is currently under renewal and is being held until confirmation that bore construction is completed. The licence is current when under renewal.

Upon completion and pump testing of the bore to the satisfaction of the Department, and providing the pump test indicates that the bore is capable of producing a sufficient supply rate, an allocation of 360 megalitres will be granted to Wambo Cattle Company.

A further application to increase the allocation from 360 to 480 megalitres has been held pending the construction and pump testing of a bore under Waterworks licence No.94461R. If a sufficient supply rate is found to service an allocation greater than 360 megalitres and up to 480 megalitres, the allocation will be approved subject to similar conditions.

If you are uncertain of anything in the letter, please contact this office at the address below.

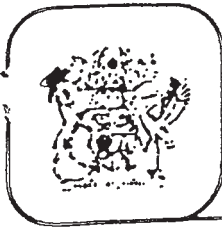
Yours faithfully

s.49 - Signature

Principal Officer (Water Resource Allocation & Management)  
**DARLING DOWNS DISTRICT**  
**TOOWOOMBA**



DEPARTMENT OF NATURAL RESOURCES



QUEENSLAND WATER RESOURCES COMMISSION

P.O. BOX 3180, TOWN HALL, TOOWOOMBA. Q. 4350

22nd November, 1988.

Your Ref: Our Ref: 55/6 Mr Murphy TELEPHONE 32 1944 TELEX DF

Shire Clerk,  
Wambo Shire Council,  
P.O. Box 549,  
DALBY. Q. 4405

Dear Sir,

PORTION 126 - PARISH OF MILES  
PROPOSED DESIGNATED FEEDLOT AREA

I attach herewith copy of letter dated 10th November, 1988 from your Consulting Engineers Ullman and Nolan Pty. Ltd. which requests certain advice in relation to the proposed establishment of feedlots on Portion 126 Parish of Miles.

It is understood that Ullman and Nolan are undertaking an environmental impact study on behalf of your Council to assist in consideration of a re-designation of the subject lands to allow a number of feedlots to be developed.

The property was inspected on 16th November, 1988.

The results of this inspection together with assessment in relation to water supply are outlined below.

GEOLOGY:

The property is wholly underlain by consolidated sediments, chiefly calcareous sandstone, of the Kubarilla Beds. These sediments are heavily weathered and as such are in limited outcrop.

Sandstones with a thin lateritised surface are exposed in numerous borrow areas about the eastern half of the property. These sandstones are massive, fine grained and calcareous in nature.

Released

About the north and north-eastern sections of the property the sediments are overlain by a shallow depth of sandy weathering derivatives.

The Kumbarilla Beds are likely to be up to 60 metres in thickness depending on relative surface elevation and are underlain by the Walloon Coal Measures (60m - 520m approx.) and the Hutton Sandstone (520 - 750m approx.).

#### TOPOGRAPHY:

The property falls in a northerly direction with an overall slope of the order of 2%. Slopes of up to 8% are in evidence about a number of north-south striking ridge lines, the most predominant of which is a drainage divide between Back Creek and an unnamed tributary gully of Wilkie Creek.

Subdued topography occurs about the north-eastern quarter of the property whilst the balance of the lands have a regular relief pattern modified only by the ridge lines referred to above.

#### SOILS:

Soils are generally sandy with a heavy clay subsoil which is gradational to a weathered sandstone within 10 metres of the surface.

Top soils consist of up to 1.5 metres of sandy loam about lower slopes and less than 0.5 metres about ridge lines.

#### HYDROGEOLOGY:

The occurrence of groundwater in each of the formations is as follows:-

#### KUMBARILLA BEDS:

These sediments contain localized, low yielding supplies of generally poor quality groundwater. In view of the limited thickness of the sediments on the property it is expected that the unit would not contain usable groundwater.

#### WALLOON COAL MEASURES:

Supplies of up to 2.0 litres per second have been obtained from this formation at depths of up to 200 metres. The quality of supplies is variable however has been found to be marginal for stock in this area. Water is contained in coal seams and sandstones and heads are not significant.

HUTTON SANDSTONE:

The Hutton Sandstone is a major artesian aquifer. Pumping supplies of up to 15 litres per second could be available from a bore penetrating the full thickness of the unit (520 - 750 metres). Water quality is expected to be suitable for stock.

The availability of groundwater supplies to service the water requirement of feedlots on the property is discussed in another section of this report.

POTENTIAL FOR EFFLUENT MIGRATION:

In view of low subsoil permeability, the nature of the sandstones at shallow depth and the remoteness of aquifer systems from the surface, the potential for the migration of effluent to groundwater via accessions from the feedlot floor, drains on effluent retention storages is considered low.

It is considered that adequate potential exists for the effective control of all runoff waters from feedlots on this property. Providing drainage and retention systems are properly designed all runoff can be locally controlled and dissipated.

Notwithstanding this advice, any operator would be obliged to comply with the provisions of the Clean Waters Act as administered by the Water Quality Council of Queensland, in respect of pollution of both surface water and groundwater.

WATER SUPPLIES:

The water requirements per 10 000 head of lotfed cattle would be approximately 240 megalitres per annum.

A continuous supply rate of 7.5 litres per second would be required to satisfy this demand or 15.0 litres per second on the basis of pumping 12 hours per day.

A bore drilled to a depth of approximately 750 metres on the property should have fair prospects for obtaining a pumping supply of up to 15.0 litres per second of satisfactory quality water from the Hutton Sandstone (520 - 750 metres approximately). A water level in the range 50 - 100 metres below ground level and a probable pump suction depth in the range 200 - 250 metres are envisaged. The construction cost of such a bore would be of the order of \$76 000.

Based on information available there are no bores penetrating the Hutton Sandstone in the area surrounding the subject property. The closest bore would be that supplying Beef City. All other bores in the area derive their supplies from the Walloon Coal Measures and are used for stockwatering.

The Commission would favourably consider the issue of an initial Bore License and allocation of 240 megalitres per annum to cater for the water requirements of a 10 000 head cattle feedlot on the property. Additional Bore Licenses and allocations to support further feedlot development would be considered on the basis of the siting and results of the first bore drilled and emerging demands for other purposes.

Based on preliminary assessment, the drilling and use of three bores into the Hutton Sandstone on the property, each supplying 15.0 litres per second could be possible providing the bores are located about four kilometres apart. Bores located about the extreme south-west corner, the centre and extreme north-east corner of the property would allow for such a separation.

Pumping interference of up to 12 metres of drawdown in each bore could occur as a result of simultaneous pumping operations whilst the overall radius of influence would probably be up to 20 kilometres.

The number of bores that could be constructed and used on the property will be governed by supplies available and the extent of localized interference in pumping those supplies. Limited data at this stage does not allow more specific advice as to how many bores, and hence feedlots, could be permitted on the property. Alternative sources of supply such as surface storages or flood harvesting schemes have not been considered within the context of the current investigations and assessment.

#### FUTURE GROUNDWATER USE:

Macalister Coal Pty. Ltd. is at present negotiating leases to allow for the mining of coal on lands to the immediate north of the subject property.

The Company has recently advised that it intends drilling a bore into the Hutton Sandstones to provide approximately 300 megalitres per annum for up to 20 years. A pumping supply of the order of 12.0 litres per second is apparently required.

A Bore License Application covering the drilling of this bore is expected to be received in the near future. The preferred site of the bore is understood to be about 3.5 kilometres north of the subject property.

Whilst this bore would create additional pumping interference to any bore/s drilled to service the feedlots it is likely that sufficient supplies should be available to cater for both immediate requirements, i.e. the initial bore for a single feedlot and a bore for Macalister Coal Pty. Ltd. It is stressed however that the results obtained from the first bore drilled in the area will largely dictate the limitations on the number of bores that will be permitted and the allocations of groundwater that will attach to those bores.

Current indications are that about 1 000 megalitres of groundwater per annum may be required from the Hutton Sandstones over an extraction area of approximately 100 square kilometres i.e. 3 x 240 Ml/a allocations for three feedlots of 10 000 head capacity each and 300 Ml/a for Macalister Coal. Such extractions cannot be permitted at this stage on the basis of data available. An on-going process of evaluation and assessment will be required.

The earliest possible advice of your Council in relation to the use of groundwater from the Hutton Sandstone to service the requirements of feedlots in this area would be appreciated.

GENERAL:

Copies of this report have been forwarded to Ullman and Nolan Pty. Ltd. and also the Water Quality Council of Queensland.

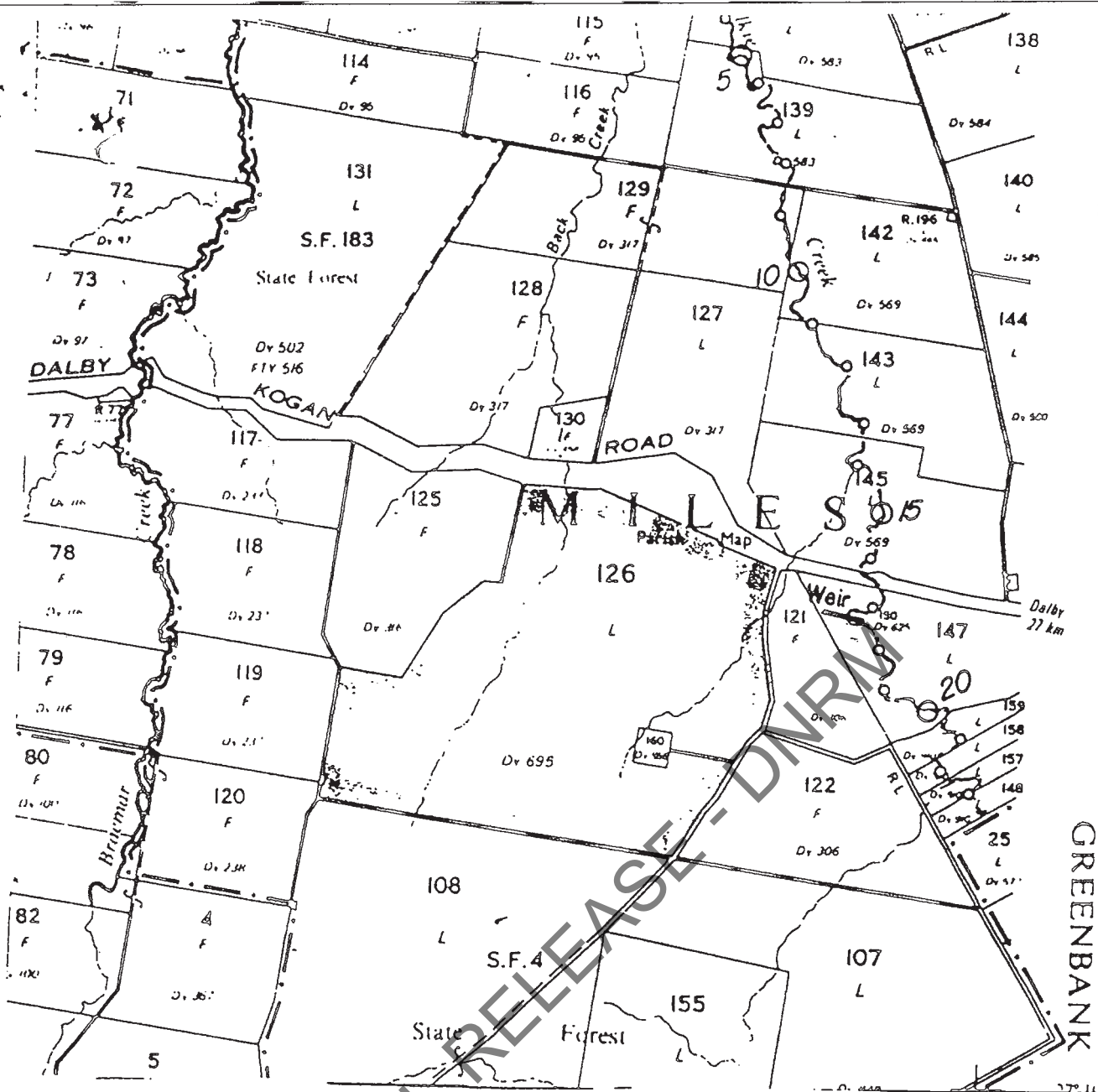
It is pointed out that while information given either verbally or in writing by the Commission or its Officers, is based on observations and analyses of available data by trained personnel, and is accurate as far as can be judged, the Commission can accept no responsibility for results obtained.

Yours faithfully,

[Redacted Signature Block]  
s.49 - Signature  
DISTRICT ENGINEER [Redacted]

RT/DL RELEASE/DNR/M





WAMBO SHIRE COUNCIL

PORTION 126 PARISH MILES

PROPOSED FEEDLOT DEVELOPMENT AREA

SCALE 1 : 100 000



Water Resources Commission  
Department of Primary Industries

PLEASE RETURN TO :

WATER RESOURCES COMMISSION  
GPO BOX 2682  
BRISBANE Q 4001

# APPLICATION FOR WATERWORKS LICENCE

TO THE COMMISSIONER OF WATER RESOURCES

I/We P.F + F.U. SCHLOSS. of WOOROOLIN 4608  
being the owners or lawful occupiers of land situated in the State of Queensland, do hereby  
apply for a licence to construct and use the works described herein.

Dated this 29th day of Nov. 1990

Francis Schloss

Peter Schloss

Signature(s) of Applicant(s)

**PLEASE NOTE**

- (1) The application with the prescribed fee should be forwarded to the address shown above.
- (2) The onus is on the applicant to provide sufficient details including correct property descriptions. Failure to do so may render a subsequent licence invalid.

**APPLICANT DETAILS**

Name PETER FREDERICK SCHLOSS AND FRANCES URITH  
SCHLOSS

Postal Address P.O. Box 44, WOOROOLIN, QLD 4608.

Property Address DALBY-KOGAN ROAD. PORTION 125 PARISH MILES.

Telephone No. Home (071) 685468  Business (07) \_\_\_\_\_   
(Tick preferred contact number)

**FOR OFFICE USE ONLY**

APPLN. FEE RECEIVED \$ \_\_\_\_\_ RECEIPT NO. \_\_\_\_\_ DATE \_\_\_\_\_

WRC 1256 10/90

# PUMPING FROM A WATERCOURSE

APPLN NO. \_\_\_\_\_

Complete this section to take water from a watercourse (including regulated streams).

Name: **Watercourse** \_\_\_\_\_

Work situated on \_\_\_\_\_

(Portion, Lot, RP etc)

Parish \_\_\_\_\_ County \_\_\_\_\_

To supply water to \_\_\_\_\_

Parish \_\_\_\_\_ County \_\_\_\_\_

Work is now

Proposed  Existing

Is application to replace/amend existing licence?  No  Yes If Yes, supply existing licence number \_\_\_\_\_

## Description of work

Pump	Type	<input type="checkbox"/> Centrifugal	<input type="checkbox"/> Mixed Flow	<input type="checkbox"/> Helical Rotor	<input type="checkbox"/> Jet
		<input type="checkbox"/> Submersible	<input type="checkbox"/> Axial Flow	<input type="checkbox"/> Turbine	<input type="checkbox"/> Piston
		Other _____ (Specify type and size)			
	Size	Intake/Bore _____ mm x Outlet/Stroke _____ mm			
		Duty discharge _____ litres/second	Duty head _____ metres		
Gravty	Channel	Max. depth _____ metres	Length _____ metres		
Diversion		Top width _____ metres	Bottom width _____ metres		
	Pipe	Diameter _____ mm	Length _____ metres		

Purpose of work

Irrigation → Crop type \_\_\_\_\_ Area \_\_\_\_\_ ha

Domestic  Stockwater  Waterharvesting  Aquaculture

Dairying  Industrial  Piggery → Breeding sows

Environmental enhancement  Feedlot → Maximum head \_\_\_\_\_

Other \_\_\_\_\_

Required Annual Allocation \_\_\_\_\_ megalitres from this source (For regulated streams only)

## STORAGES

APPLN NO. \_\_\_\_\_

Complete this section for a storage located on a watercourse and/or a referable dam.

Name of Watercourse \_\_\_\_\_

Work situated on \_\_\_\_\_

(Portion, Lot, RP etc)

Parish \_\_\_\_\_ County \_\_\_\_\_

Work is now

Proposed  Existing

Is application to replace/amend existing licence?  No  Yes If Yes, supply existing licence number \_\_\_\_\_

## Description of work

Dam  Weir  Excavation eg Earth, Concrete, Rock, Timber etc.

Construction method \_\_\_\_\_

Height of Wall/Depth of excavation \_\_\_\_\_ metres

Thickness at crest (A) \_\_\_\_\_ metres

Length of crest/Excavation length \_\_\_\_\_ metres

Base (B)/Excavation Width \_\_\_\_\_ metres

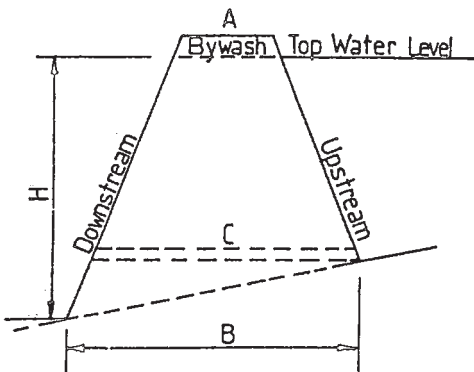
Diameter of outlet pipe (C) \_\_\_\_\_ mm

Height of bywash/spillway above bed level (H) \_\_\_\_\_ metres

Width of bywash/spillway \_\_\_\_\_ metres

Distance of backup at top water level \_\_\_\_\_ metres

Storage capacity \_\_\_\_\_ megalitres (approx.)



Purpose of work

Irrigation  Domestic  Stockwater  Waterharvesting

Dairying  Industrial  Aquaculture  Piggery

Feedlot  Environmental enhancement

Other \_\_\_\_\_

# BORES - ARTESIAN AND SUB-ARTESIAN

Complete this section for a proposed or existing water bore.

APPLN NO.

Work situated on

PORTION 125

(Portion, Lot, RP etc)

Parish MILES

County DERBY

Total property area 725.5 ha.

To supply water to

SAME

Work is now



Proposed



Existing (State date drilled)

Is application to replace/amend existing licence?



No



Yes

If Yes, supply existing licence number

Description of work



Sub-Artesian Bore



Artesian (flowing) Bore

Local Bore Name

Depth of bore

600

metres



Estimated



Actual

Bore casing details

Diameter (mm)

From (metres)

To (metres)

Material (Steel/PVC)

To be determined

Purpose of work



Irrigation → Crop type

Area \_\_\_\_\_ ha



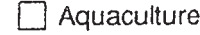
Domestic



Stockwater



Waterharvesting



Aquaculture



Dairying



Industrial



Piggery →

Breeding Sows



Environmental enhancement



Feedlot →

Maximum head 24,000

Other

Required Annual Allocation

432

megalitres from this source

# LEEVE BANKS, STREAM DIVERSIONS AND OTHER WORKS

Complete this section for levee banks, stream diversions or other stream improvements.

APPLN NO.

Name of Watercourse

Work situated on

(Portion, Lot, RP etc)

Parish

County

Work is now



Proposed



Existing

Is application to replace/amend existing licence?



No



Yes

If Yes, supply existing licence number

Description of work

Levee Bank

Maximum height

\_\_\_\_\_ metres

Total length

\_\_\_\_\_ metres

Thickness at crest (A)

\_\_\_\_\_ metres

Thickness at base (B)

\_\_\_\_\_ metres

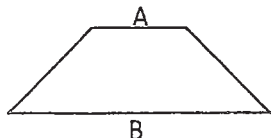
Is there a Levee Bank on the opposite side of the stream?



Yes



No



Stream

Channel

Length

\_\_\_\_\_ metres

Depth

\_\_\_\_\_ metres

Diversion

Top width

\_\_\_\_\_ metres

Bottom width

\_\_\_\_\_ metres

Pipe

Diameter of pipes

\_\_\_\_\_ mm

Length

\_\_\_\_\_ metres

Other Works (Provide full details of proposal)

Purpose of work



Flood prevention



Erosion Prevention



Stream diversion

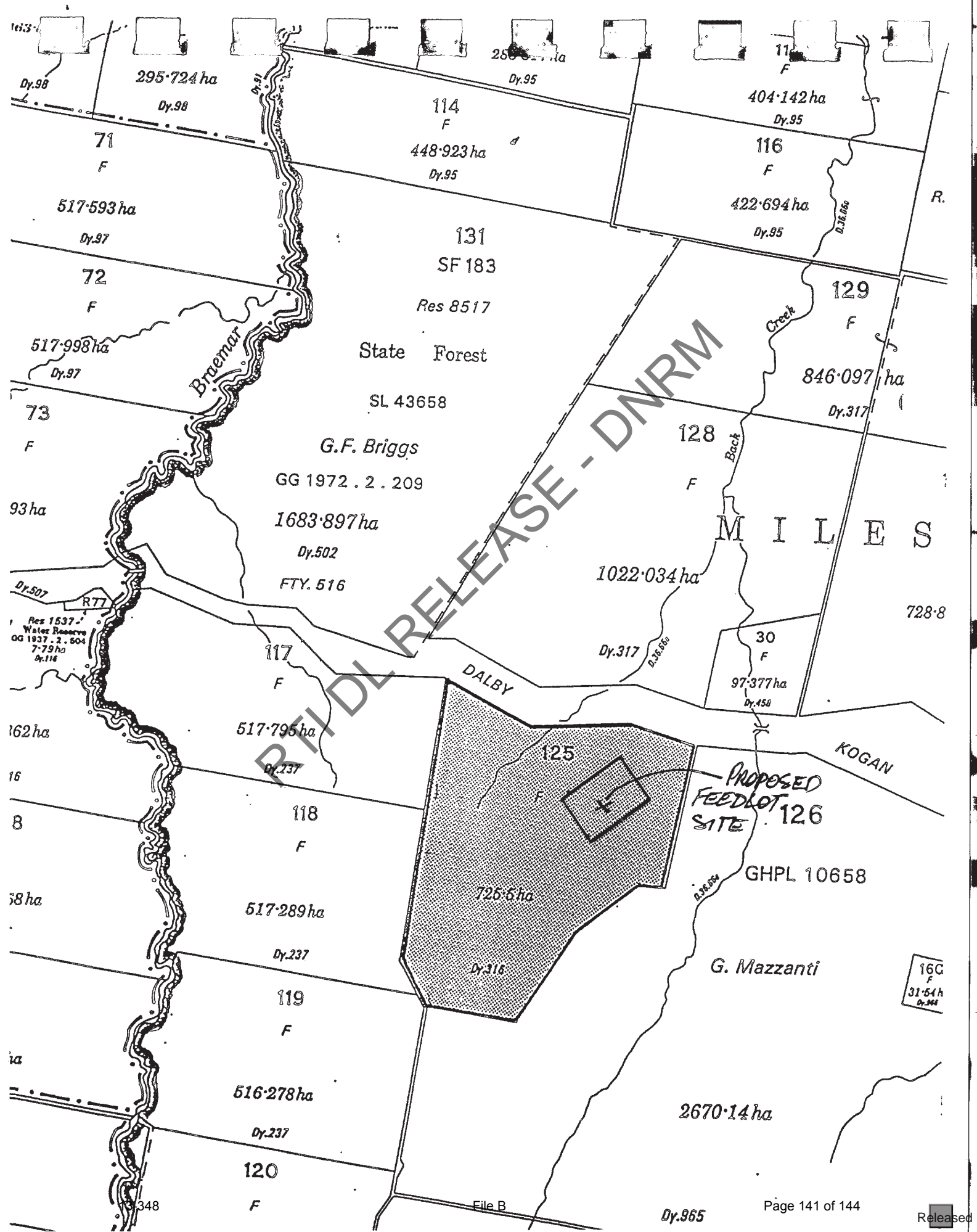


Drainage

Other

# SKETCH PLAN SHOWING LOCATION OF WORKS

Include property boundaries, real property descriptions, existing licensed works and, where applicable, the position of the stream and area to be irrigated.





Department of  
Primary Industries

# Water Resources Commission

566-572 Ruthvon Street, Commercial Union Centre, PO Box 3180, Town Hall, Toowoomba, Qld 4350  
Telephone (076) 319 200. Facsimile (076) 329 948

Enquiries to Mr Murphy  
Telephone (076) 319 200  
Your reference  
Our reference T 3111 :AJ  
Date 30 July, 1991

P F & F V Schloss  
P O Box 44  
WOOROOLIN Q 4608

Dear Sir and Madam,

## WATERWORKS LICENCE APPLICATION NO. B 87064

Further to my letter to you dated 14 June 1991 in which I advised you that objections had been received to your application for a Waterworks Licence covering the drilling and use of a bore for the purpose of intensive stockwatering on Portion 125 Parish Miles with a nominal annual groundwater allocation of 432 megalitres, please note that further discussions have been held with M.F. & D.J.K. Winders concerning the application.

If a decision on the application were to be made now it would be refused since the water requirement is significant and located very close to lands for which licences are current and which allow for the development and use of groundwater from the same aquifer systems subject of your application for industrial or intensive stockwatering purposes. The water requirements associated with these existing commitments are also significant.

Supplies are likely to be limited in the area and as such the Commission has an obligation to ensure responsible development and use of the available resource and orderly access to the resource. The rights and entitlements of existing licensees must be taken into account so too the demands associated with applications which pre-date your own and for which no decision has yet been made.

Mr Winders has requested that the application not be dealt with now but rather held in abeyance pending:-

1. Investigation of alternative surface water supply sources;
2. The outcome of Waterworks Licences currently approved or subject to application for proposed bores in the area (note that current licensees will be required to show cause why their licences should not be cancelled if bores are not constructed and used within a reasonable period of time); and
3. A decision to either grant or refuse a future Waterworks Licence Application by yourselves (or Mr Winders if he purchases the property) covering the proposed drilling of a bore into the Walloon Coal Measures on the property (maximum depth

Released

400 metres) to obtain at least a supplementary supply to allow staged development of a cattle feedlot on the property.

Whilst I am prepared to delay consideration of the current Waterworks Licence Application it should be noted that irrespective of the outcome of the matters outlined above, the maximum nominal annual groundwater allocation that could be considered is 240 megalitres from either the Walloon Coal Measures or the deeper systems (Hutton and Precipice Sandstones).

At this stage it is likely that an application to construct a bore/bores to obtain up to 240 megalitres per annum from the Walloon Coal Measures would be viewed favourably however the prospects for obtaining pumping supplies to service such a demand do not appear encouraging.

I have attached a Waterworks Licence Application and questionnaire to be completed and returned to this Office together with the prescribed application fee of \$55.00.

Please discuss these matters with Mr Winders through your respective Solicitors and contact Mr Greg Murphy at this Office if you require clarification or discussion.

Your specific and written request to have consideration of your current application held pending and the reasons for such request must be confirmed in the very near future to avoid formal refusal of the application.

Copies of this letter have been forwarded to M.F. & D.J. Winders, the Chief Inspector of Stock and Wambo Shire Council.

Yours faithfully,

s.49 - Signature

DISTRICT ENGINEER.

064

11th December, 1991

Water Resources Commission  
566 - 572 Ruthven Street  
TOOWOOMBA QLD 4350

Attention: Mr Greg Murphy

Dear Sir,

**Re: Waterworks License Application No. B87064(Bore)**

Thank you for your letter of 26 November 1991 requesting further advice as to my intentions regarding the above application.

Progress with the feedlot proposal has been delayed by an appeal, against the Wambo Shire Council's decision to approve the feedlot, instituted by the Department of Transport who are seeking a major contribution towards a future upgrading of the Dalby-Kogan Road.

This appeal has somewhat delayed the purchase of the property by my son and myself from P.F. & F.V. Schloss and I would like to finalise that sale before proceeding further with the above licence application or, alternatively, applying for a licence to obtain supplies for the Walloon Coal Measures. The sale is expected to be completed before January 15.

Under the circumstances, it would be appreciated if you could hold the above application in abeyance until that date.

Yours sincerely,

s78B(2) - Personal Information

M. F. Winders

Released