



**Queensland
Government**

ADJUSTMENT NOTE

**Department of Natural Resources
& Mines**

PO Box 15216
CITY EAST QLD 4002
ABN 59 020 847 551

Adjustment No. 1600000123
Customer No. REFUNDS
Adjustment Date 01/03/2013
Related Invoice 2008145

Contact Details
Originating Unit NRM Other
Contact Finance Officer
Telephone (07) 3008 6733
Fax (07) 3008 6703
Email
CPLInvoicing@ssa.qld.gov.au

**AJ MORGAN
C/- CARBINE TUNGSTEN
PO Box 1040
BUNGALOW QLD 4870**

Qty	Description	Amount (excl GST)	GST Amount	Amount (incl GST)
1	PLS FORW CHQ TO: MARINA TURCHET PO BOX 156, MAREEBA QLD 4880 REFUND: INCORRECT SEARCH - REFERRED TO "RIGHT TO INFORMATION"	59.15-	0.00	59.15-
		Total Amount excl GSTS	59.15-	
		GST Amount	\$ 0.00	
		Total Amount incl GSTS	59.15-	

Privacy

The Queensland Government is committed to protecting your privacy. Your personal details will be securely stored on a Queensland Government database which will only be accessible by authorised persons of government agencies where the disclosure is necessary to fulfil statutory, administrative or other public responsibilities. The personal information will only be used for the purpose for which you provide it and will not be given to another person or body without your consent, or unless required by law. Details of the Queensland Government Privacy Scheme can be accessed through <http://www.justice.qld.gov.au/dept/privacy.htm>.

Change to Personal Details

Please email any changes of personal details to CPLInvoicing@ssa.qld.gov.au.

**Turchet Marina**

From: Dippel Cynthia
Sent: Monday, 4 March 2013 10:43 AM
To: Turchet Marina
Subject: FW: Invoice 1600000123
Attachments: CSP0000007662:SCRIPT PF36 PERSHOJ

Hi Marina

Did SSA send this to you?

Cheers

Cindy

-----Original Message-----

From: Pershouse, Janette [<mailto:Janette.Pershouse@ssa.qld.gov.au>]
Sent: Monday, 4 March 2013 10:41 AM
To: Dippel Cynthia
Cc: CPL Invoicing
Subject: Invoice 1600000123

Hi

Please find attached ORIGINAL of above mentioned adjustments as per your request.

NO adjustment has been sent to the client.

For any further enquiries please email CPLInvoicing@ssa.qld.gov.au.

For further enquiries email cplinvoicing@ssa.qld.gov.au Janette Pershouse Finance Officer, Transactional Business Services Queensland Shared Services Level 7 Gabba Towers
Email: CLPInvoicing@ssa.qld.gov.au
Fax: (07) 3008 6703

Work Part-Time: Monday and Tuesday

From: Janette Pershouse [<mailto:janette.pershouse@ssa.qld.gov.au>]
Sent: Monday, 4 March 2013 10:39 AM
To: Pershouse, Janette
Subject: CSP0000007662:SCRIPT PF36 PERSHOJ

<<CSP0000007662:SCRIPT PF36 PERSHOJ>>

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If you have received this E-Mail in error, please notify the author and delete this message immediately.

!DEPTSTAMP1!

RTI DL Release

Turchet Marina

From: Dippel Cynthia
Sent: Friday, 1 March 2013 12:16 PM
To: CPLinvoicing@ssa.qld.gov.au
Cc: Turchet Marina
Subject: FW: Refund Request - Carbind Tungsten
Attachments: Refund voucher for Morgan Carbine Tungsten 2013.pdf

Hello

Please process the attached refund.

Can you please send the cheque return to:

Attn: Marina Turchet
Water Services
Department of Natural Resources and Mines
PO Box 156
MAREEBA QLD 4880

Cheers

Cindy Dippel
4799 7055

From: Turchet Marina
Sent: Friday, 1 March 2013 12:03 PM
To: Jensen Gary
Cc: Dippel Cynthia
Subject: Refund Request - Carbind Tungsten

Hi Gary

Attached is Refund Voucher.

Can you please print and sign and then on forward to:

CPLinvoicing@ssa.qld.gov.au when approved.

Can you also have the cheque return to:

Attn: Marina Turchet
Water Services
Department of Natural Resources and Mines
PO Box 156
MAREEBA QLD 4880

Marina Turchet
Regional Administration Officer (Licensing)
Water Management & Use, Water Services

Service Delivery - North Region
Department of Natural Resources and Mines
Telephone: 4048 4866 **Fax:** 4092 2366
Email: Marina.Turchet@dnrm.qld.gov.au
www.derm.qld.gov.au
28 Peters Street, Mareeba Q 4880
PO Box 156, Mareeba Q 4880

RTI DL Release

Privacy Statement

Customer Number **REFUNDS** The collection of personal information on this form and any attachments is authorised under the *Financial Administration & Audit Act 1977* for the purpose of administering customer refunds. Your Personal information will not be disclosed to other parties without your consent unless required or authorised by or under law. It may be disclosed to another Qld Government agency as part of a Shared Service Arrangement.

Claimant Details

Name
MR AJ Morgan Carbine Tungsten

Postal Address
PO Box 1040
Bungalow Postcode 4870

Costing Details

Tax Code	GL Account Code	WBS Element (revenue & expense accounts)	OR	BusinessArea (asset & liability accounts)	Amount (including GST) \$ c	
s6	432106	9100006			59	15
Total of Refund					59	15

Receipt Details

LAIS Tax Invoice/ Receipt Number	Date	Amount (including GST) \$ c	Manual Tax Invoice/Receipt No. (if applicable)	Office
2008145	04/02/2013	59 15		Mareeba

Reason for Refund (limit summary to 50 characters for data entry purposes)

Summary - Incorrect search - referred to "Right to Information"

Further detail -

Payment Method

Cheque EFT

Name of Bank
Account Name
BSB number
Account Number

Return Cheque to Authorised Accounting Officer Yes No

Certificate of Authorised Accounting Officer

I certify the necessary verifications have been carried out to ensure the sum of \$ 59.15 is properly payable.

Name: Marina Turchet
Designation / Financial Delegation Level: Regional Administration Officer (Licensing)

Signature: [Redacted]
Date: 1 March 2013
Officer's Address: PO Box 156 MAREEBA QLD 4880

Certificate of Approved Officer

I certify this refund complies in all respects with the requirements of the *Financial Administration and Audit Act 1977* or any other Act relating to the refund. I hereby authorise that such refund be made and posted to the receipt ledger.

Name: Gary Jensen
Designation / Financial Delegation Level: Manager, Water Management

Signature: sch4p4(6) Personal information
Date: 1 MARCH 2013
Location: Townsville

Please send completed form to - Accounts Receivable, SSA

Shared Service Agency Use Only

Document Number Entered by Date



Turchet Marina

KEEPER OUTGOING
ITEM NO 2033933

From: Turchet Marina
Sent: Friday, 1 March 2013 12:03 PM
To: Jensen Gary
Cc: Dippel Cynthia
Subject: Refund Request - Carbind Tungsten
Attachments: Refund Request - AJ Morgan Carbine Tungsten 1-03-2013.pdf

Tracking:	Recipient	Delivery	Read
	Jensen Gary	Delivered: 1/03/2013 12:03 PM	
	Dippel Cynthia	Delivered: 1/03/2013 12:03 PM	Read: 1/03/2013 12:03 PM

Hi Gary

Attached is Refund Voucher.

Can you please print and sign and then on forward to:

CLP invoicing@ssa.qld.gov.au when approved.

Can you also have the cheque return to:

Attn: Marina Turchet
Water Services
Department of Natural Resources and Mines
PO Box 156
MAREEBA QLD 4880

Marina Turchet
 Regional Administration Officer (Licensing)
 Water Management & Use, Water Services
 Service Delivery - North Region
 Department of Natural Resources and Mines
Telephone: 4048 4866 **Fax:** 4092 2366
 Email: Marina.Turchet@dnrm.qld.gov.au
www.derm.qld.gov.au
 28 Peters Street, Mareeba Q 4880
 PO Box 156, Mareeba Q 4880

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Claimant Details

Name
 MR AJ Morgan Carbine Tungsten

Postal Address
 PO Box 1040
 Bungalow Postcode 4870

Costing Details

Tax Code	GL Account Code	WBS Element (revenue & expense accounts)	OR	BusinessArea (asset & liability accounts)	Amount (including GST) \$ c	
s6	432106	9100006			59	15
Total of Refund					59	15

Receipt Details

LAIS Tax Invoice/ Receipt Number	Date	Amount (including GST) \$ c	Manual Tax Invoice/Receipt No. (if applicable)	Office
2008145	04/02/2013	59 15		Mareeba

Reason for Refund (limit summary to 50 characters for data entry purposes)

Summary - Incorrect search - referred to "Right to Information"

Further detail -

Payment Method

Cheque EFT

Name of Bank Account Name

BSB number Account Number

Return Cheque to Authorised Accounting Officer Yes No

Certificate of Authorised Accounting Officer

I certify the necessary verifications have been carried out to ensure the sum of \$ 59.15 is properly payable.

Name: Marina Turchet
 Designation / Financial Delegation Level: Regional Administration Officer (Licensing)

Signature: sch4p4(6) Personal information
 Date: 1 March 2013
 Officer's Address: PO Box 156 MAREEBA QLD 4880

Certificate of Approved Officer

I certify this refund complies in all respects with the requirements of the *Financial Administration and Audit Act 1977* or any other Act relating to the refund. I hereby authorise that such refund be made and posted to the receipt ledger.

Name: Gary Jensen
 Designation / Financial Delegation Level: Manager, Water Management

Signature:
 Date:
 Location: Townsville

Please send completed form to - Accounts Receivable, SSA

Shared Service Agency Use Only

Document Number Entered by Date


Turchet Marina

KEEPER OUTGOING

ITEM NO 2033765

From: Turchet Marina on behalf of Water Info North
Sent: Friday, 1 March 2013 11:31 AM
To: 'hkennedy@carbingtonsten.com.au'
Subject: Request for water entitlement attached to land
Attachments: Search Water Licence Receipt 2008145 04-02-2013.pdf

Hi Lavina

I refer to your request for water entitlement data attached to land received in the this office on the 4th February, and to our further telephone discussion on the 26th February.

As this request falls outside of the standard search request the information that you would be seeking, would be best sought by a Right to Information request, as the information sought is not current.

Please refer to the link below, on how to make an application of Right to Information. Refer to the heading of Requesting information, and there is an option to apply online. The request and the associated fee should be forwarded the address provided.

<http://www.dnrm.qld.gov.au/legal/right-to-information>

Further attached is a copy the receipt for payment of the original search request. As I had outlined to you on Tuesday, this fee will be refunded. When refund cheque has been received I will forward to the address that was provided. PO Box 1040 Bungalow QLD 4870.

Regards

Marina Turchet
Regional Administration Officer (Licensing)
Water Management, Water Services
Service Delivery - North Region
Department of Natural Resources and Mines
Telephone: 4048 4850 **Fax:** 4092 2366
Email: waterinfonorth@dnrm.qld.gov.au
www.derm.qld.gov.au
28 Peters Street, Mareeba Q 4880
PO Box 156, Mareeba Q 4880

Turchet Marina

From: Wheeler Mark
Sent: Tuesday, 26 February 2013 1:43 PM
To: Turchet Marina
Cc: Chapman Jon
Subject: RTI or Search request

Dear Marina

With regard to query today on search request or right to information request for 1980 information I think if the request relates to the requester entitlements it could fit with a search and if it relates to other entitlements it fits with Right To Information

Regards

Mark Wheeler
Principal Training Officer - Water Services
Water Services Support
Operations Support, Service Delivery
Department of Natural Resources and Mines
Telephone - (07) 41312342 VoIP Extn 22342
Fax - (07) 4131 5896
Mobile - [redacted] Personal information
Email - Mark.Wheeler@dnrm.qld.gov.au
Address - PO Box 1167, Bundaberg Q 4670
16 - 32 Enterprise Street , Bundaberg

RTI DL Release

Lavina Kennedy

From: Read Tracy [Tracy.Read@dnrm.qld.gov.au]
Sent: Friday, 1 February 2013 2:30 PM
To: hkennedy@carbinetungsten.com.au
Subject: Request for Water Licence Search

Hi Lavina,
Thank you for your phone call requesting a water search. To request such a search, you are required to complete the form in the link below:

http://www.derm.qld.gov.au/water/management/forms/specificforms.html#other_forms
The form number you need is W2F108 ("Request for water entitlement data attached to land").

Please note a search fee of \$59.15 applies, however, our policies do not allow for credit card payments to be received via email. Once your search request is received by our office, an officer of the department will contact you to conduct over the phone payment, or alternatively, you may fax the completed form to (07) 4092 2366 or return the completed form by mail at PO Box 156, Mareeba Qld 4880, accompanied by a cheque.


As discussed, please provide with as much information as possible about the property you are searching (ie mining lease number or lot on plan reference). Also please indicate on the form that you are aware there are no current water licences on the property, but that you wish to retrieve historical information about the expired water licence (if the expired water licence number is known, please reference this on the form.

If you have any further queries please don't hesitate to contact the office on (07) 4048 4850.

Regards
Tracy Read
Administration Officer (Licensing)
Water Management
Service Delivery - North Region
Department of Natural Resources and Mines

Telephone: 07 4048 4878 Facsimile: 07 4092 2366
Email: tracy.read@dnrm.qld.gov.au

28 Peters Street, Mareeba Qld 4880
PO Box 156, Mareeba Qld 4880

 Please consider the environment before printing this e-mail

RECEIVED BY DNRM MAREEBA
FILE NO. NOR/056110
4 - FEB 2013

REC DOC. #1994441

The information in this email together with any attachments is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. There is no waiver of any confidentiality/privilege by your inadvertent receipt of this material.

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Request for water entitlement data attached to land

Water Act 2000

Purpose of this form
Individuals or entities (e.g. solicitors) acting on behalf of an individual may request information relating to water licences, interim water allocations and associated information or approvals that are attached to a property.

Part A Requestor details

Requestor details in this part must be completed. The requested data will be returned to the contact or address as indicated below. If the data is to be returned to a different contact and address than specified below, complete 'Part B Other return contact details' as well.

Name Specify the full name(s) of all requestors

Carbine Tungsten Limited
ABN 77 115 009 106

If the applicant is a corporation please supply the ACN

Attention (Optional) (e.g. Principal, Secretary, Managing Director, etc.)

Laura Kennedy, Site Coordinator

Street address

23 Mulligan Highway,
Mount Carbine

State Q.L.D. Postcode 4871

Mailing address All correspondence will be delivered to this address (if same as street address please write 'as above')

Po Box 1040
Bungalo

State Q.L.D. Postcode 4870 Country if not Australia

Contact person's details

(If different from above)

Title Mr Mrs Ms Miss Other please specify

Given name
Last name
Preferred phone
Email address

s.78B(2)

Privacy statement: The information being collected in this request will be used by this department for the purpose of processing your request for water entitlement data...

Table with 2 columns: Application ref., Client ref., Authorisation ref. and Fee received, Receipt no., Registration. Includes handwritten values like 59.15 and 2008145.

FILE NO
4 - FEB 2013

REC DOC
Page 1 of 2

Part B Other return contact details

If the requested data is to be returned to a different contact or address as indicated in Part A provide the contact and return address details here.

Name Specify the full name(s) of all recipients of this data

[Empty text boxes for Name]

Mailing address All correspondence will be delivered to this address

[Empty text boxes for Mailing address]
State [] Postcode [] Country []
If not Australia

Contact person's details

(If different from above)

Title Mr Mrs Ms Miss Other please specify []

Given name []
Last name []
Preferred phone [] Alternate phone [] Facsimile []
Email address []

Part C Property description

Specify the description of land to which the search relates.

Lot	Plan	Lot	Plan
[]	[]	[]	[]
[]	[]	[]	[]
[]	[]	[]	[]
[]	[]	[]	[]
[]	[]	[]	[]

Part D Response method

Specify your preferred method for receiving a response to your request.

- Email (Note: this is the preferred method.)
- Facsimile
- Letter

Historical Search Please

NOTE!! - This application is for a water license that Roche Brothers mining had in the 1980's. The mining lease numbers are ML 4919, and ML 4867. The water license pumped out of the Mitchell River, and was used at the

We seek historical water license information
 on the previous water license that
 extracted water from the Mitchell River,
 on Brooklyn Station. Access was provided
 through Brooklyn with an easement,
 and the water used at the Mount
 Cobine Tungsten Mine. Please phone myself
 on the details provided, should you need
 further information.

Rec # 2008145 Thanking you.

4/11/2013

s.78B(2)

s.78B(2)

Payment option

management) 2009

Queensland Government
Department of Natural Resources & Mines

ABN: 59 020 847 551

RECEIPT

Received from: Mr AJ Morgan / Carbine Tungsten
ABN/Address:

No.: 2008145

Description	Qty	Unit	Val	Extended	Discount	Ext Value	GST	Total Price
WATER LICENCE SEARCH	1		59.15	59.15	0.00	59.15		59.15

RTI DL Release

Date: 04/02/13	Time: 13:31	DMASTERC	59.15	Tot Value:	59.15
Brch: nrmmaree	SPer: fxa			GST:	0.00
CYC: 952	Reg: 2			Tot Price:	59.15
				Tendered:	
				Change:	0.00

Cheques or other negotiable instruments accepted subject to clearance.

Queensland Government
Department of Natural Resources & Mines

ABN: 59 020 847 551

RECEIPT

Received from: Mr AJ Morgan Carbine Tungsten
ABN/Address:

No.: 2008145

Description	Qty	Unit	Val	Extended	Discount	Ext Value	GST	Total Price
WATER LICENCE SEARCH	1		59.15	59.15	0.00	59.15		59.15

RTI DL Release

Date: 04/02/13	Time: 13:31	DMASTERC	59.15	Tot Value:	59.15
Brch: nrmmaree	SPer: fxa			GST:	0.00
CYC: 952	Reg: 2	Tendered	59.15	Tot Price:	59.15
				Tendered:	59.15
				Change:	0.00

Cheques or other negotiable instruments accepted subject to clearance.

Page 18 redacted for the following reason:

s.78B(2)

RTI DL Release

Tenure Id: ML 4867

District: MAREEBA

Previous Id: ML2523MARE

Name of Lease: MT CARBINE NO 1

Status: GRANTED

Sub-Status:

Native Title Category:

Native Title Sub Category:

Pre-requisite Tenure Ids

-

Tenancy Type: Tenancy In Common

Principal Holder

MT CARBINE QUARRIES PTY LTD

PO BOX 3

MT MOLLOY

QLD

4871

<u>Holder Names</u>	<u>Share %</u>	<u>Status</u>	<u>Deal In</u>	<u>Date Appv</u>	<u>Deal Out</u>
MT CARBINE QUARRIES PTY LTD	100.000000000000	Current	962021	26-MAR-1996	
NORMANDY MINERALS LIMITED	100.000000000000	Former	940216	03-MAY-1994	962021
POSEIDON MINERALS LIMITED	100.000000000000	Former	3	15-DEC-1988	940216
POSEIDON MINERALS LIMITED	66.666600000000	Former	2	30-APR-1986	3
QUEENSLAND WOLFRAM PTY LTD	33.333300000000	Former	2	30-APR-1986	3
QUEENSLAND WOLFRAM PTY LTD	100.000000000000	Former	1	01-NOV-1976	2
RB MINING PTY LTD	100.000000000000	Former	0	23-DEC-1971	1

Marked Out Date and Time: 23-DEC-1971 4:00 PM

Lodged Date and Time: 23-DEC-1971 4:00 PM

Term Sought: 21 years

Certificate of Application Issued: 24-FEB-1972

Situated Within at Date Lodged

-

Area: 358.5 Ha

Surface Area: 345.1 Ha

Tenure Id: ML 4867

Local Authorities

Tablelands (R)

Minerals / Purpose

- COPPER ORE
- IRON ORE
- MOLYBDENUM ORE
- IRON--MAGNETITE
- QUARTZ / QUARTZITE / SILICA
- SILICA / SILICON /ROCK CRYSTAL
- TIN ORE
- TUNGSTEN / WOLFRAM / SCHEELITE

Locality

OVER AND SURROUNDING TOWN OF MT CARBINE

Date of Grant: 25-JUL-1974

Act Granted Under: MINERAL RESOURCES ACT 1989

Plan Number	Previous Plan Number	Volume	Folio
41197			

General Remarks

Renewal Processes

Notice Issued:
Lodged:
Approved:

Term History

<u>Commenced</u>	<u>Expiry</u>	<u>Years</u>
01-AUG-1974	31-JUL-1993	19
01-AUG-1993	31-JUL-1998	5
01-AUG-1998	31-JUL-2003	5
01-AUG-2003	31-JUL-2022	19

Background Tenures

	<u>Land Usage</u>	<u>Compensation Required</u>	<u>Finalised</u>
LOT 13 ON SP127335 BROOKLYN HOLDING PAR MAPPE CO DAGMAR	Mining	Y	07-JUL-2003
LOT 58 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
LOT 6 ON MPH14343 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003

Tenure Id: ML 4867

LOT 63 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
ROAD RESERVE (MAREEBA SHIRE) PAR MAPPE CO DAGMAR	Mining	Y	06-JUN-2003
LOT 8 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
LOT 9 ON MPH14343 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
LOT 96 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
LOT 7 ON MPH14343 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
PENINSULAR DEVELOPMENTAL ROAD PAR MAPPE CO DAGMAR	Access	N	07-APR-2003

<u>Dealing Name</u>	<u>Dealing Number</u>	<u>Action Initiated</u>	<u>Expected Completion</u>	<u>Actual Completion</u>
APPLN FOR ADDITIONAL MINERALS Remarks: ADDITION OF QUARTZ AND SCHIST APPROVED 01-MAY-84.	0	13-AUG-1983	08-OCT-1983	01-MAY-1984
SPECIAL CONDITIONS Remarks: STANDARD CONDITIONS ISSUED	0	26-JUL-1993	23-AUG-1993	30-SEP-1993
CHANGE OF NAME Remarks: Changed name from POSEIDON MINERALS LIMITED	940216	03-MAY-1994	03-MAY-1994	03-MAY-1994
PARTIAL SURRENDER OF AREA Remarks: PARTIAL SURR (AND VOA) REC'D MAREEBA 27JUL94 FOR AREA OF 697HA. (DRAFT SKETCH PLAN INDICATES AREA OF 363HA. BEING RETAINED); LTR 21SEP94 REQ SURR AND VOA FEES/B-G TENURE LIST/INFO ON EXCLUSIONS FROM ML AREA; REPLY LTR AND FEES REC'D 6OCT94	0	27-JUL-1994	04-JAN-1995	29-JUN-1995
VARIATION OF ACCESS Remarks: 27JUL94 WITH CONSENT LTR FROM LANDHOLDER AND PARTIAL SURR; LTR 21SEP94 REQ VOA AND SURR FEES/B-G TENURE LIST/INFO ON EXCLUSIONS FROM ML AREA; REPLY LTR AND FEES REC'D 6OCT94; SURVEY DONE 3JUL95; ROAD RUNS THROUGH LEASE - NOT REQUIRED.	0	27-JUL-1994	04-JAN-1995	04-JAN-1995
SPECIAL CONDITIONS Remarks: SPECIAL CONDITIONS NOW INCORPORATED IN MINERAL RESOURCES AMENDMENT ACT	0	01-MAY-1998	29-MAY-1998	01-MAY-1998
SUB-LEASE AGREEMENT Remarks: Sublease of ML 4867 (part) and 4919 to Tungsten Resources Pty Ltd for an indefinite period. Refer to sublease document for coloured map.	1013308	10-OCT-2008	10-OCT-2013	

Sub-Tenures

<u>Tenure Type & Number</u>	<u>Date Lodged</u>	<u>Date Granted</u>	<u>Area</u>
---------------------------------	--------------------	---------------------	-------------

Tenure Id: ML 4919

District: MAREEBA

Previous Id: ML2888MARE

Name of Lease: NEW DCL

Status: GRANTED

Sub-Status:

Native Title Category:

Native Title Sub Category:

Pre-requisite Tenure Ids

-

Tenancy Type: Tenancy In Common

Principal Holder

MT CARBINE QUARRIES PTY LTD

PO BOX 3

MT MOLLOY

QLD

4871

<u>Holder Names</u>	<u>Share %</u>	<u>Status</u>	<u>Deal In</u>	<u>Date Appv</u>	<u>Deal Out</u>
MT CARBINE QUARRIES PTY LTD	100.000000000000	Current	962022	26-MAR-1996	
NORMANDY MINERALS LIMITED	100.000000000000	Former	940221	03-MAY-1994	962022
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POSEIDON MINERALS LIMITED	66.666600000000	Former	2	30-APR-1986	3
QUEENSLAND WOLFRAM PTY LTD	33.333300000000	Former	2	30-APR-1986	3
QUEENSLAND WOLFRAM PTY LTD	100.000000000000	Former	1	01-NOV-1976	2
RB MINING PTY LTD	100.000000000000	Former	0	30-NOV-1972	1

Marked Out Date and Time: 22-NOV-1972 4:00 PM

Lodged Date and Time: 30-NOV-1972 4:15 PM

Term Sought: 21 years

Certificate of Application Issued: 08-MAY-1974

Situated Within at Date Lodged

-

Area: 7.891 Ha

Surface Area: 7.891 Ha



**Queensland Mines and Energy
Department of Natural Resources and Mines
Mining Lease Report - Public**

14 Feb 2013 02:57 pm

Page 3 of 3
MLR_4703.0.5

Tenure Id: ML 4919

Local Authorities

Tablelands (R)

Minerals / Purpose

COPPER ORE

LEAD ORE

TIN ORE

TUNGSTEN / WOLFRAM / SCHEELITE

ZINC ORE

Locality

PAR MAPPE CO DAGMAR

Date of Grant: 22-AUG-1974

Act Granted Under: MINERAL RESOURCES ACT 1989

Plan Number	Previous Plan Number	Volume	Folio

General Remarks

Renewal Processes

Notice Issued:

Lodged:

Approved:

Term History

<u>Commenced</u>	<u>Expiry</u>	<u>Years</u>
01-SEP-1974	31-AUG-1994	20
01-SEP-1994	31-AUG-1999	5
01-SEP-1999	31-AUG-2004	5
01-SEP-2004	31-AUG-2023	19

Background Tenures

	<u>Land Usage</u>	<u>Compensation Required</u>	<u>Finalised</u>
LOT 13 ON SP127335 BROOKLYN HOLDING PAR MAPPE CO DAGMAR	Mining	Y	06-JUL-2005
LOT 13 ON SP127335 BROOKLYN HOLDING PAR MAPPE CO DAGMAR	Access	Y	06-JUL-2005

Tenure Id: ML 4919

<u>Dealing Name</u>	<u>Dealing Number</u>	<u>Action Initiated</u>	<u>Expected Completion</u>	<u>Actual Completion</u>
CHANGE OF NAME Remarks: Changed name from POSEIDON MINERALS LIMITED	940221	03-MAY-1994	03-MAY-1994	03-MAY-1994
SPECIAL CONDITIONS Remarks: STANDARD CONDITIONS ISSUED	0	29-AUG-1994	26-SEP-1994	24-OCT-1994
SUB-LEASE AGREEMENT Remarks: Sublease of ML 4867 (part) and 4919 to Tungsten Resources Pty Ltd for an indefinite period. Refer to sublease document for coloured map.	1013308	10-OCT-2008	10-OCT-2012	

Sub-Tenures

<u>Tenure Type & Number</u>	<u>Date Lodged</u>	<u>Date Granted</u>	<u>Area</u>
---------------------------------	--------------------	---------------------	-------------

RTI DL Release

Property Transfer—Water Entitlement Search Request/Transfer Checklist

Client details. (Request made by)	Carbine Tungsten Limited
Request for data or transfer	Data
Lot on Plan(s)	
Date request properly made	4-02-2013
Request to ISU required? Date request sent Date response received	N/A
Date request due (10 Business Days)	18-02-2013
Date completed (sent)	
Assigned officer (completed by)	Tracy/Tania

Main subject	Action	Checked Y/N	Paragraph Y/N	Comments
Office	Is this the correct office to deal with request? Referred to another office	Y		
Transfer	Is this a transfer of a water entitlement? Has this information previously been given to the transferee (as part of a previous search). Transfer Previous search			
Water licences/IWAs	Search WMS for entitlements		n/a	
	No current water entitlements			
	Current water licences			
	Current interim water allocations (in supplemented area)			
	Options prior to part disposal	info	Standard if current WL or IWA	
	s229 information	info	Standard if current WL	
	s198 information	info	Standard if current IWA	
	s228 information	info	Standard if current WL	
LTI	Is there a current LTI? Licence to interfere		Standard if current LTI	
Riparian works access	Current riparian works access			
Development approval	Search WMS for development permits (DP). Confirm status (installed/proposed/expired): Installed works			
	Proposed works			
	No water entitlement (But installed works)			
	No DP registered (but required as existing WL)			

Bold text means that there is an associated standard paragraph available for insertion into the response provided for the request.

Main subject	Action	Checked Y/N	Paragraph Y/N	Comments
General WRP/ROP info	Check Smart map Is this is WRP/ROP area?			
	WRP only			
	WRP and ROP			
Moratorium area	Is the property located within a moratorium area? Moratorium notice			
Regulated groundwater areas	Is this lot in a declared groundwater area?			
	WL required?			
	DP required?			
	Groundwater area Development permit only required (but no water licence)			
	Groundwater area Water licence only required (but no DP)			
Water sharing rules	Are any water licences/IWAs in a water management area outlined in the water regulation or a resource operations plan?			
	Water sharing rules (Water Regulation)			
	Water sharing rules Resource operations plan			
	Is the WL subject to announced entitlement?			
	Announced entitlements			
Seasonal water assignments	Are there any current seasonal water assignments notices?			
	What is the share of entitlement left associated with the licence?			
Works notifications	Is this in a WRP area that regulates OLF?			
	Search WMS and WERD notification of works overland flow. Confirm status no works or (installed/proposed/expired)?			
	Overland flow regulations			
	Is this in a WRP area that regulates groundwater?			
	Search WMS and WERD notification of works groundwater. Confirm status no works or (installed/proposed/expired)?			
	WRP regulation groundwater			
WL converted to water allocation	Is there a water licence to be converted to a water allocation Identified in draft ROP schedule			
Amendments to WL in ROP	Is this licence proposed to be amended under a draft ROP or finalised ROP			
	If draft ROP is submission period open			
	Proposed amendment to water licence draft ROP			
	Proposed amendment to water licence final ROP			

Bold text means that there is an associated standard paragraph available for insertion into the response provided for the request

Main subject	Action	Checked Y/N	Paragraph Y/N	Comments
Water allocation area	Is land in area that has water allocations? In water allocation area			
Restrictions	Are there any current s25 restrictions on taking water Current restrictions			
Metered areas	Check Water Regulation Is it in a metered area ?			
	Installed (non metering project) Schedule 14			
	Installed (Metering project) Schedule 15A			
	Exempted			
Water charges	Any entitlements that attracted water licensing fee? (All except non GAB stock and domestic) Water licence fee			
	Water metering charge			
	Are there charges under Water Regulation Schedule 14 <input type="checkbox"/> General Water charges as per Water Regulation			
	Is it less than two months before then end of the water year? Water charges to be invoiced			
	<input type="checkbox"/> Minimum charge Water charges as per Water Regulation—minimum			
	Outstanding charges	Are there any outstanding charges in LAIS? Letter to clients with outstanding accounts		
Outstanding applications	Check WMS/WERD for outstanding applications Outstanding applications (general) Application held by WRP			
	Tenure issues	Is one or more access right required Permit to occupy Intervening land—previous s39 agreement Intervening land—lease/easement required State controlled road Local government controlled road		
	Land and Water Management Plan	Is there an approved Land and Water Management Plan? Land and Water Management Plan		
Offences under the Water Act or the SPA	Check CIRaM for unauthorised works on lot Unauthorised works			
	Regional information	Regional information (attachments):		

Bold text means that there is an associated standard paragraph available for insertion into the response provided for the request

Main subject	Action	Checked Y/N	Paragraph Y/N	Comments
Disclaimer	Disclaimer	info	Standard	
Fact sheets	<ul style="list-style-type: none"> • Changes to water licence arrangements (i.e. renewal fees) • Aboriginal cultural heritage • DP explanatory notes • Water licence explanatory notes http://werd/Letters/ENWL_Water_Lic_Exp_Notes.pdf			
Water portfolio reporting	Does this need to be recorded for Watport reporting purposes? Complete			

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Bold text means that there is an associated standard paragraph available for insertion into the response provided for the request

Attachment 1 – Listed areas for <Name> region

Specific Areas in <Name> region

WRP areas	
ROP areas	
Water management areas	
Groundwater declared areas	
Seasonal water assignments	
Works notification areas	
Overland flow areas	
Current restrictions	
Metered areas	

Attachment 2 – Specific Paragraphs for <Name> Region

Main subject	Action	Ck'd Y/N	Comments	Paragraph required Y/N	Paragraph included Y/N	Comment

RTI DL Release

Bold text means that there is an associated standard paragraph available for insertion into the response provided for the request

Smith Sasha

Keeper #1716084

From: Smith Sasha
Sent: Tuesday, 19 June 2012 12:05 PM
To: 'Kris Butera'
Subject: RE: Construction of Water Bores Carbine Tungsten

Thanks Kris.

Regards,

Sasha Smith,
 Natural Resource Officer, Water Management and Use
 Natural Resource Operations Group - North Region
 Department of Natural Resources and Mines
Telephone: 07 40484855 **Facsimile:** 07 40922366
 28 Peters Street, Mareeba, QLD 4880
 PO Box 156, Mareeba, QLD 4880

From: Kris Butera [mailto:kbutera@gossanhillgold.com.au]
Sent: Tuesday, 19 June 2012 11:58 AM
To: Smith Sasha
Cc: Jim Morgan; 'Andrew White'
Subject: Construction of Water Bores Carbine Tungsten

Hello Sasha,

In response to your letter dated 15 June 2012 regarding the construction of Water Bores by Carbine Tungsten within Lot 13 on SP127335 and Lot 3 on DA293 (File Ref NOR/056110), the water bores were constructed for the purpose of groundwater monitoring.

Kind Regards,

Kris



Dr. Kris Butera
 General Manager – Geology
 Gossan Hill Gold Limited

M: [sch4p4\(6\)](#) Personal information
Postal: PO BOX 1088, Aitkenvale. QLD 4814
E: kbutera@gossanhillgold.com.au
W: www.gossanhillgold.com.au

flickr Kris' photo feed

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Drill log form

RN 148759

MITCHELL WRP



1028630

Authorisation details
 Registered number _____ Development permit number _____ Works reference number MB 1

Queensland Government

SECTION A - LOCATION DETAILS

Name of landholder CARBINE TUNGSTEN Phone No. _____
 Postal address PO BOX 1040, BUNGALOW CLAIMS Postcode 4870
 Real property address MULLIGAN HWY, MT CARBINE Postcode _____
 Real property description Lot 13 Plan SP127335 or Bore location GPS. Latitude _____ Longitude _____ Datum _____

SECTION B - BORE COMPLETION DETAILS
 Date commenced 13/11/2011
 Date completed 18/11/2011

SECTION C - DRILLING METHOD
 Rotary mud Cable tool
 Auger Rotary air
 Other _____

SECTION D - HOLE SIZE

Diameter (mm)	Location (metres) From	To
203	0	36.5

SECTION I - BORE PURPOSE
 Domestic Stock Irrigation Commercial
 Urban Industrial Other (please specify) ENVIRONMENTAL

SECTION K - WATER BEARING BEDS

Depth struck (metres)	Water rose to (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)
29	16.5	3.5	1760 MS NOT POTABLE

SECTION E - CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres) From	To
PVC	100	CLAS 12	0	36.5
PVC	100	CLAS 12	9.5	17

SECTION J - PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (use more than one line if required)	Water bed (m/s)
0	6	DECOMPOSED SHALE	
6	10	SHALE	
10	12	WEATHERED SHALE	
12	17	WEATHERED SHALE SOAK	
17	28	SHALE	
28	30	BROKEN SHALE	*
30	32	SHALE	
32	33	BROKEN SHALE	*
33	34	BROKEN SHALE	*
34	36.5	BROKEN SHALE	*

Conductivity (EC) 1760 pH _____

SECTION L - SUB ARTESIAN BORE ON COMPLETION
 Depth to standing water level from ground level 16.5 (metres)
 Depth to pump suction or bottom of drill stem 36.5 (metres)

SECTION F - CENTRALISERS TYPE

Type	Location (metres) From	To

Type of test used Air Bail Pump
 Est. supply 3.5 (litres/second) Duration of test 2 (hours) Drawdown level from surface (metres) _____

SECTION G - PERFORATIONS / SLOTS / SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres) From	To
SLOTS	100	2	18.5	36.5

SECTION M - ARTESIAN BORE ON COMPLETION
 Pressure (kPa) _____ Free flow (litres/second) _____ Temperature (°C) _____

SECTION H - CEMENTING / GRAVEL PACK / ANNULAR FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres) From	To
8-12MM SAND	203	100	11.5	36.5
BENTONITE	203	100	10.5	11.5
CEMENT GROUT	203	100	0	9.5

ENTERED
 13/11/2011 05:55
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RECEIVED BY: DERM MAREEBA
 File No _____
 29 FEB 2012
 Action By _____
 Reg. No. Code _____

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 DAVID SERRA 3314
MARK SERRA Driller's Licence No. 3350
 Trainee Driller _____ Driller's Licence No. _____
 Signature of Driller _____ Date 18/11/2011
 Contractor SERRA DRILLING PTY LTD.

RTI DL Release

RECEIVED BY DERM MAREEBA
File No
11 APR 2012

Drill log form

RN 148758

MITCHELL WRP

1028629



authorisation details
 registered number _____ Development permit number _____ Works reference number **M134**

SECTION A - LOCATION DETAILS
 name of landholder **CARISINE TUNGSTEN** Phone No. _____
 postal address **PO BOX 1040, BUNGALOW CLAIMS** Postcode **4870**
 local property address **MULLIGAN HWY MT CARISINE** Postcode **4871**
 local property description Lot **13** Plan **SP127335** or Bore location GPS. Latitude _____ Longitude _____ Datum _____
 Easting **300005** Northing **8170710** Zone _____

SECTION B - BORE COMPLETION DETAILS
 Date commenced **16/11/2011**
 Date completed **17/11/2011**

SECTION C - DRILLING METHOD
 Rotary mud Cable tool
 Auger Rotary air
 Other _____

SECTION D - HOLE SIZE

Diameter (mm)	Location (metres) From	To
203	0	61
300	0	9

SECTION I - BORE PURPOSE
 Domestic Stock Irrigation Commercial
 Urban Industrial Other (please specify) **ENVIRONMENTAL**

SECTION J - PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (use more than one line if required)	Water bed (thrust)
0	1	TOP SOIL	
1	9	RIVER SAND (COARSE)	
9	12	DECOMPOSED SHALE	
12	19	SHALE	
19	20	BROKEN SHALE	* *
20	23	SHALE	
23	25	BROKEN SHALE	* *
25	27	BROKEN SHALE	* *
27	32	SHALE	
32	36	BROKEN SHALE	* *
36	38	BROKEN SHALE	* *
38	41	SHALE	
41	43	BROKEN SHALE	*
43	56	SHALE	
56	57	BROKEN SHALE	*
57	61	SHALE	

SECTION K - WATER BEARING BEDS

Depth struck (metres)	Water rose to (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)
19			
23	4.5	25+	1720
27			
34			
36			
38			
42			
Conductivity(EC)		1720	pH

SECTION E - CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres) From	To
PVC	100 CLASS		0	61
PVC	225 CLASS 12	18	0	9
PVC	32 CLASS 12		31	61

SECTION L - SUB ARTESIAN BORE ON COMPLETION
 Depth to standing water level from ground level **4.5** (metres)
 Depth to pump suction or bottom of drill stem **61** (metres)
 Type of test used Air Bail Pump
 Est. supply **20** (litres/second) Duration of test **2** (hours) Drawdown level from surface (metres) _____

SECTION F - CENTRALISERS TYPE

Type	Location (metres) From	To
ENTERED 12/11/2011 S.S. Slamed		

SECTION M - ARTESIAN BORE ON COMPLETION
 Pressure **RECEIVED BY GERM MAHEBA** (litres/second) Temperature _____

SECTION G - PERFORATIONS/ SLOTS/ SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres) From	To
SLOTS	100	2	37	61

SECTION N - REMARKS
29 FEB 2012
 Action 1: _____
 Action 2: _____

SECTION H - CEMENTING/ GRAVEL PACK/ ANNULAR FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres) From	To
1-8mm SAND	203	100	34	61
BENTONITE	203	100	32	34
CEMENT GRAVEL	203	100	31	57

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.
DAVID SERNA 3314
 Driller **MARK SERNA** Driller's Licence No. **3250**
 Trainee _____
 Driller _____ Driller's Licence No. _____
 Signature of Driller _____ Date **17/11/2011**
 Contractor **SERNA DRILLING PTY LTD**

Drill log form

RN 148757



Mitchell WKP
1028628

Authorisation details
Registered number _____ Development permit number _____ Works reference number M13 4

SECTION B - BORE COMPLETION DETAILS
Date commenced 15/11/2011
Date completed 16/11/2011
SECTION C - DRILLING METHOD
 Rotary mud Cable tool
 Auger Rotary air
 Other _____

SECTION A - LOCATION DETAILS
Name of landholder CHARSINE TUNGSTEN Phone No. _____
Postal address PO BOX 1040, BUNGALOW CLAIMS Postcode 4870
Real property address MULLIGAN HWY, MT CHARISINE Postcode 4871
Real property description Lot 13 Plan SP127335 or Bore location GPS. Latitude _____ Longitude _____ Datum _____
Easting 300006 Northing 9170771 Zone _____

SECTION D - HOLE SIZE

Diameter (mm)	Location (metres)	
	From	To
<u>203</u>	<u>0</u>	<u>30</u>

SECTION I - BORE PURPOSE
 Domestic Stock Irrigation Commercial
 Urban Industrial Other (please specify) ENVIRONMENTAL
SECTION J - PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (use more than one line if required)	Water bed (thrust)
<u>0</u>	<u>2</u>	<u>TOP SOIL</u>	
<u>2</u>	<u>9</u>	<u>RIVER SAND (COARSE)</u>	
<u>9</u>	<u>12</u>	<u>DECOMPOSED SHALE</u>	
<u>12</u>	<u>18</u>	<u>SHALE</u>	
<u>18</u>	<u>20</u>	<u>BROKEN SHALE</u>	<u>ψ ψ</u>
<u>20</u>	<u>23</u>	<u>SHALE</u>	
<u>23</u>	<u>25</u>	<u>BROKEN SHALE</u>	<u>ψ *</u>
<u>25</u>	<u>27</u>	<u>BROKEN SHALE</u>	<u>ψ *</u>
<u>27</u>	<u>30</u>	<u>SHALE</u>	

SECTION K - WATER BEARING BEDS

Depth struck (metres)	Water rose to (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)
<u>19</u>			
<u>23</u>	<u>6.3</u>	<u>5.8</u>	<u>POTABLE</u>
<u>27</u>			

Conductivity (LC) 1650 pH _____

SECTION E - CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres)	
			From	To
<u>PVC</u>	<u>100</u>	<u>CLASS 12</u>	<u>0</u>	<u>30</u>
<u>PVC</u>	<u>32</u>	<u>CLASS 12</u>	<u>0</u>	<u>9</u>

SECTION L - SUB-ARTESIAN BORE ON COMPLETION
Depth to standing water level from ground level 6.3 (metres)
Depth to pump suction or bottom of drill stem 30 (metres)
Type of test used Air Bail Pump
Est. supply (litres/second) 5.8 Duration of test (hours) 2 Drawdown level from surface (metres) _____

SECTION F - CENTRALISERS TYPE

Type	Location (metres)	
	From	To

SECTION M - ARTESIAN BORE ON COMPLETION

Pressure (kPa)	Free flow (litres/second)	Temperature (°C)

SECTION G - PERFORATIONS/ SLOTS/ SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres)	
			From	To
<u>SLOTS</u>	<u>100</u>	<u>2</u>	<u>18</u>	<u>30</u>

SECTION N - REMARKS

SECTION H - CEMENTING/ GRAVEL PACK/ ANNULAR FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres)	
			From	To
<u>4-8mm SAND</u>	<u>203</u>	<u>100</u>	<u>12</u>	<u>30</u>
<u>ANTONITE</u>	<u>203</u>	<u>100</u>	<u>10</u>	<u>12</u>
<u>CEMENT GROUT</u>	<u>203</u>	<u>100</u>	<u>0</u>	<u>9</u>

RECEIVED BY DERM MAREEBA
File No _____
29 FEB 2012
Action By _____
Reg Doc Code _____
ENTERED
12/04/2012
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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 N above is true, accurate and complete to the best of my knowledge and belief.
Driller MARK SPAIN Driller's Licence No. 3250
DAVID SPAIN Driller's Licence No. 3314
Trainee Driller _____ Driller's Licence No. _____
Signature of Driller _____ Date 16/11/2011
Contractor SPAIN DRILLING PTY LTD.

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

Drill log form

148732

Mitchell WRP
Queensland Government
1028626

Authorisation details
Registered number _____ Development permit number _____ Works reference number **MB 6.**

SECTION A - LOCATION DETAILS
Name of landholder **CARBINE TUNGSTEN** Phone No. _____
Postal address **MT CARBINE PO BOX 1040 CARBINE** Postcode **4870**
Real property address **MULLIGAN HWY, MT CARBINE** Postcode **4871**
Real property description Lot **13** Plan **SP127335** or Bore location GPS. Latitude _____ Longitude _____ Datum _____
Easting **300597** Northing **8171181** Zone _____

SECTION B - BORE COMPLETION DETAILS
Date commenced **14/11/2011**
Date completed **15/11/2011**

SECTION C - DRILLING METHOD
 Rotary mud Cable tool
 Auger Rotary air
 Other _____

SECTION D - HOLE SIZE

Diameter (mm)	Location (metres)	
	From	To
203	0	31

SECTION I - BORE PURPOSE
 Domestic Stock Irrigation Commercial
 Urban Industrial Other (please specify) **ENVIRONMENTAL**

SECTION K - WATER BEARING BEDS

Depth struck (metres)	Water rose to (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)
20	11.5m	1.7/cph	SALTY
23			
28			
Conductivity (EC) 5400 pH _____			

SECTION E - CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres)	
			From	To
PVC	100 CLASS 12		0	31
PVC	32 CLASS 13		0	10

SECTION J - PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (use more than one line if required)	Water bed (thick*)
0	1	DECOMPOSED SHALE	
1	4	COURSE SANDY LOAM	
4	15	WEATHERED SHALE	

SECTION L - SUB ARTESIAN BORE ON COMPLETION
Depth to standing water level from ground level **11.5** (metres)
Depth to pump suction or bottom of drill stem **31** (metres)
Type of test used Air Bail Pump
Est. supply **1.7** (litres/second) Duration of test **2** (hours) Drawdown level from surface (metres) _____

SECTION F - CENTRALISERS TYPE

Type	Location (metres)	
	From	To
	15	17
	17	20

SECTION J - PARTICULARS OF STRATA (continued)

15	17	DECOMPOSED SHALE	
17	20	BROKEN SHALE	*

SECTION M - ARTESIAN BORE ON COMPLETION

Pressure (kPa)	Free flow (litres/second)	Temperature (°C)

SECTION G - PERFORATIONS / SLOTS / SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres)	
			From	To
SLOTS	100	2	19	31

SECTION J - PARTICULARS OF STRATA (continued)

20	23	BROKEN SHALE	**
23	29	BROKEN SHALE	*
28	31	SHALE	

SECTION N - REMARKS

SECTION H - CEMENTING / GRAVEL PACK / ANNULAR FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres)	
			From	To
4-8mm SAND	203	100	12	31
BENTONITE	203	100	10	12
GROUT ELEMENT	203	100	0	10

ENTERED
5.5.11.2012
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RECEIVED BY DERM MAREEBA
File No _____
29 FEB 2012
Action By _____

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 **DAVID SERNA** Driller's Licence No. **3314**
MARK SERNA Driller's Licence No. **3250**
Trainer _____ Driller's Licence No. _____
Signature of Driller _____ Date **15/11/2011**
Contractor **SERNA DRILLING PTY LTD**

RTI DL Release

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File No
11 APR 2012
Ac.
R.

Drill log form

148733

Mitchell WRP

1028627



Authorisation details
 Registered number _____ Development permit number _____ Works reference number MB 6

Queensland Government

SECTION A - LOCATION DETAILS
 Name of landholder CARBINE TUNGSTEN Phone No. _____
 Postal address PO BOX 1040 BUNGALOW Postcode 4870
 Real property address MT CARBINE, MULLIGAN HWY Postcode 4871
 Real property description Lot 13 Plan SP127335 or Bore location GPS. Latitude _____ Longitude _____ Datum _____
 Easting 300548 Northing 8121182 Zone 55K

SECTION B - BORE COMPLETION DETAILS
 Date commenced 14/11/2011
 Date completed 15/11/2011

SECTION C - DRILLING METHOD
 Rotary mud Cable foot
 Auger Rotary air
 Other _____

SECTION D - HOLE SIZE

Diameter (mm)	Location (metres) From	To
<u>203</u>	<u>0</u>	<u>62.5</u>

SECTION I - BORE PURPOSE
 Domestic Stock Irrigation Commercial
 Urban Industrial Other (please specify) ENVIRONMENTAL

SECTION K - WATER BEARING BEDS

Depth struck (metres)	Water rose in (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)
<u>20</u>			
<u>23</u>	<u>11.5</u>	<u>2</u>	<u>SIFTY.</u>
<u>29</u>			
<u>33</u>			
<u>42</u>			

Conductivity (EC) 5406 pH _____

SECTION E - CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres) From	To
<u>PVC</u>	<u>100 CLASS 12</u>	<u>CLASS 12</u>	<u>0</u>	<u>62.5</u>
<u>PVC</u>	<u>32 CLASS 12</u>	<u>CLASS 12</u>	<u>0</u>	<u>35.5</u>

SECTION J - PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (use more than one line if required)	Water bed (m/s)
<u>0</u>	<u>1</u>	<u>DECOMPOSED SHALE</u>	
<u>1</u>	<u>4</u>	<u>COURSE SANDY LOAM</u>	
<u>4</u>	<u>15</u>	<u>WEATHERED SHALE</u>	
<u>15</u>	<u>17</u>	<u>DECOMPOSED SHALE</u>	
<u>17</u>	<u>20</u>	<u>BROKEN SHALE</u>	<u>*</u>
<u>20</u>	<u>23</u>	<u>BROKEN SHALE</u>	<u>**</u>
<u>23</u>	<u>28</u>	<u>BROKEN SHALE</u>	<u>*</u>
<u>28</u>	<u>36</u>	<u>SHALE</u>	
<u>36</u>	<u>38</u>	<u>BROKEN SHALE</u>	<u>*</u>
<u>38</u>	<u>42</u>	<u>SHALE</u>	
<u>42</u>	<u>44</u>	<u>BROKEN SHALE</u>	<u>*</u>
<u>44</u>	<u>46</u>	<u>SHALE</u>	
<u>46</u>	<u>48</u>	<u>BROKEN SHALE</u>	<u>*</u>
<u>48</u>	<u>62.5</u>	<u>SHALE</u>	

SECTION L - SUB ARTESIAN BORE ON COMPLETION
 Depth to standing water level from ground level 11.5 (metres)
 Depth to pump suction or bottom of drill stem 62.5 (metres)
 Type of test used Air Bail Pump
 Est. supply 0.3 (litres/second) Duration of test 2 (hours) Drawdown level from surface _____ (metres)

SECTION F - CENTRALISERS TYPE

Type	Location (metres) From	To

SECTION M - ARTESIAN BORE ON COMPLETION
 Pressure _____ (kPa) Flow rate _____ (litres/minute)
 SECTION N - REMARKS
 File No. _____
29 FEB 2012

SECTION G - PERFORATIONS/ SLOTS/ SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres) From	To
<u>SLOTS</u>	<u>100</u>	<u>2</u>	<u>44.5</u>	<u>62.5</u>

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 DAVID SIERRA Driller's Licence No. 3314
MARK SIERRA Driller's Licence No. 3250

SECTION H - CEMENTING/ GRAVEL PACK/ ANNULAR FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres) From	To
<u>4-8mm SAND</u>	<u>203</u>	<u>100</u>	<u>38.5</u>	<u>62.5</u>
<u>BENTONITE</u>	<u>203</u>	<u>100</u>	<u>36.50</u>	<u>38.5</u>
<u>CEMENT GROUT</u>	<u>203</u>	<u>100</u>	<u>0</u>	<u>35.5</u>

ENTERED
 SS. 12/04/2012
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Drill log form

RN 148764

Mitchell wkr



1028635

authorisation details
 registered number _____ Development permit number _____ Works reference number **MIS 3**

SECTION A - LOCATION DETAILS
 name of landholder **CARBINE TUNGSTEN** Phone No. _____
 postal address **PO Box 1040, BUNGALOW CAIRNS** Postcode **4870**
 local property address **MULLIGAN HWY, NT CARBINE** Postcode **4871**
 local property description Lot **13** Plan **SP127335** or Bore location GPS: Latitude _____ Longitude _____ Datum _____
 Easting **301021** Northing **8172645** Zone **55**

SECTION B - BORE COMPLETION DETAILS
 Date commenced **23/11/2011**
 Date completed **27/11/2011**

SECTION C - DRILLING METHOD
 Rotary mud Cable tool
 Auger Rotary air
 Other _____

SECTION D - HOLE SIZE

Diameter (mm)	Location (metres) From	To
203	0	90

SECTION I - BORE PURPOSE
 Domestic Stock Irrigation Commercial
 Urban Industrial Other (please specify) _____

SECTION K - WATER BEARING BEDS

Depth struck (metres)	Water rose to (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)
33		0.4	POTABLE
45		0.4	"
85		0.4	"

SECTION E - CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres) From	To
PVC	100	Class 18	0	90
PVC	200	Class 12	0	3
PVC	32	Class 12	0	63

SECTION J - PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (use more than one line if required)	Water bed (m)
0	9	DECOMPOSED SHALE	
9	27	WEATHERED SHALE	
27	29	SHALE	
29	33	SHALE	x
33	45	BROKEN SHALE	x
45	85	SHALE	5x
85	90	SHALE	

SECTION L - SLUB ARTESIAN BORE ON COMPLETION
 Depth to standing water level from ground level **36.5** (metres)
 Depth to pump suction or bottom of drill stem **90** (metres)
 Type of test used Air Bail Pump
 Est. supply **0.3** (litres/second) Duration of test **3** (hours) Drawdown level from surface (metres) _____

SECTION F - CENTRALISERS TYPE

Type	Location (metres) From	To

SECTION M - ARTESIAN BORE ON COMPLETION

Pressure (kPa)	Free flow (litres/second)	Temperature (°C)

SECTION G - PERFORATIONS / SLOTS / SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres) From	To
SLOTS	100	2	72	90

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 16/2/2012 55
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RECEIVED BY DERM MAREEBA
 File No. _____
29 FEB 2012
 Actio _____
 Rec _____

SECTION N - REMARKS

SECTION H - CEMENTING / GRAVEL PACK / ANNUAL FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres) From	To
SAND	203	100	66	90
SYNTHITE	203	100	64	66
MENT	203	100	0	64

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 **DAVID SERRA** Driller's Licence No. **3314**
MARK SERRA Driller's Licence No. **3250**
 Trainee Driller _____ Driller's Licence No. _____
 Signature of Driller: _____ Date **27/11/2011**
 Contractor _____

sch4p4(6) Personal information

Drill log form

RN 148763

MITCHELL mep



1028634

Authorisation details
 Registered number _____ Development permit number _____ Works reference number M13 3

SECTION A - LOCATION DETAILS

Name of landholder CARBINE TUNGSTEN Phone No. _____
 Postal address PO BOX 1040, BUNGALOW CLAIMS Postcode 4870
 Real property address MULLIGAN HWY, MT CARBINE Postcode 4871
 Real property description Lot 13 Plan SP127335 or Bore location GPS. Latitude _____ Longitude _____ Datum _____
 Easting 301020 Northing 8172645 Zone 55

SECTION B - BORE COMPLETION DETAILS

Date commenced 23/11/2011
 Date completed 27/11/2011

SECTION C - DRILLING METHOD

Rotary mud Cable tool
 Auger Rotary air
 Other _____

SECTION D - HOLE SIZE

Diameter (mm)	Location (metres)	
	From	To
<u>203</u>	<u>0</u>	<u>60</u>

SECTION I - BORE PURPOSE

Domestic Stock Irrigation Commercial
 Urban Industrial Other (please specify) ENVIRONMENTAL

SECTION J - PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (use more than one line if required)	Water bed (mud)
<u>0</u>	<u>25</u>	<u>DECOMPOSED SHALE</u>	
<u>25</u>	<u>30</u>	<u>WEATHERED SHALE</u>	<u>A</u>
<u>30</u>	<u>36</u>	<u>SHALE</u>	<u>W</u>
<u>36</u>	<u>44</u>	<u>SHALE</u>	<u>K</u>
<u>44</u>	<u>57</u>	<u>SHALE</u>	
<u>57</u>	<u>60</u>	<u>SHALE</u>	

SECTION K - WATER BEARING BEDS

Depth struck (metres)	Water rose to (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)
<u>36</u>	<u>24.5</u>	<u>0.1</u>	<u>POTABLE</u>
<u>44</u>		<u>0.25</u>	
<u>57</u>		<u>0.5</u>	

SECTION E - CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres)	
			From	To
<u>PVC</u>	<u>100</u>	<u>CLASS 12</u>	<u>0</u>	<u>60</u>
<u>PVC</u>	<u>32</u>	<u>CLASS 12</u>	<u>18.0</u>	<u>18.0</u>

SECTION F - CENTRALISERS TYPE

Type	Location (metres)	
	From	To
	<u>44</u>	<u>57</u>
	<u>57</u>	<u>60</u>

SECTION G - PERFORATIONS/ SLOTS/ SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres)	
			From	To
<u>SLOTS</u>	<u>100</u>	<u>2</u>	<u>30</u>	<u>60</u>

SECTION H - CEMENTING/ GRAVEL PACK/ ANNULAR FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres)	
			From	To
<u>8MM SAND</u>	<u>203</u>	<u>100</u>	<u>22</u>	<u>60</u>
<u>SEWTONITE</u>	<u>203</u>	<u>100</u>	<u>20</u>	<u>22</u>
<u>CEMENT GROUT</u>	<u>203</u>	<u>100</u>	<u>0</u>	<u>18</u>

Conductivity (EC) _____ pH _____
SECTION L - SUB ARTESIAN BORE ON COMPLETION
 Depth to standing water level from ground level 24.5 (metres)
 Depth to pump suction or bottom of drill stem 60 (metres)
 Type of test used Air Bail Pump
 Est. supply 0.85 (litres/second) Duration of test 2 (hours)
 Drawdown level from surface (metres) _____

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 DAVID SEPRA Driller's Licence No. 3314
MARK JERRI Driller's Licence No. 3250
 Trainee Driller _____ Driller's Licence No. _____
 Signature of Driller _____ Date 27/11/2011
 Contractor _____

ENTERED
 13/4/2012 55
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RECEIVED BY DERM MAREEBA
 File No _____
 29 FEB 2012
 Action By _____

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

Drill log form

RN 148762

Mitchell WKP

1028633



authorisation details registered number _____ Development permit number _____ Works reference number <u>MIS 5</u>		SECTION B - BORE COMPLETION DETAILS Date commenced <u>23/11/2011</u> Date completed <u>24/11/2011</u>																																																																					
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SECTION D - HOLE SIZE Diameter (mm) _____ Location (metres) From _____ To _____ <u>203</u> <u>0</u> <u>60</u>		SECTION I - BORE PURPOSE <input type="checkbox"/> Domestic <input type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Urban <input type="checkbox"/> Industrial Other (please specify) <u>ENVIRONMENTAL</u>																																																																					
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			From	To																																																																			
<u>1-8mm SAND</u>	<u>203</u>	<u>100</u>	<u>36</u>	<u>60</u>																																																																			
<u>3/8 INCH SPENTONITE</u>	<u>203</u>	<u>100</u>	<u>34</u>	<u>36</u>																																																																			
<u>SPENTONITE GROUT</u>	<u>203</u>	<u>100</u>	<u>0</u>	<u>33</u>																																																																			
SECTION N - REMARKS <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> Scanned ENTERED 13/4/2012 55 </div>		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 <u>DAVID SERRA</u> Driller's Licence No. <u>3314</u> Trainee Driller _____ Driller's Licence No. _____ Signature of Driller _____ Date <u>24/11/2011</u> Contractor <u>SERRA DRILLING PTY LTD.</u>																																																																					

RECEIVED BY DERM MAREEBA

File No _____

29 FEB 2012

Section B _____

186 TIC _____

sch4p4(6) Personal information

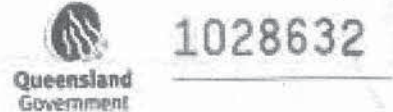
Drill log form

RN 14876

Mitchell WKP

1028632

Authorisation details
 Registered number _____ Development permit number _____ Works reference number **MB 5**



SECTION A - LOCATION DETAILS
 Name of landholder **CARBINE TUNGSTEN** Phone No. _____
 Postal address **PO BOX 1040, BUNGALOW, CHAIMS** Postcode **4570**
 Real property address **MILLICOM HWY MT CARBINE** Postcode **4571**
 Real property description Lot **3** Plan **DA293** or Bore location GPS. Latitude _____ Longitude _____ Datum _____
 Easting **29823** Northing **8122596** Zone **55**

SECTION B - BORE COMPLETION DETAILS
 Date commenced **23/11/2011**
 Date completed **24/11/2011**

SECTION C - DRILLING METHOD
 Rotary mud Cable tool
 Auger Rotary air
 Other

SECTION D - HOLE SIZE
 Diameter (mm) _____ Location (metres) From _____ To _____
203 **0** **30**

SECTION I - BORE PURPOSE
 Domestic Stock Irrigation Commercial
 Urban Industrial Other (please specify) **ENVIRONMENTAL**

SECTION K - WATER BEARING BEDS

Depth struck (metres)	Water rose to (metres)	Supply (litres/second)	Quality (e.g. potable, brackish, salty)
12			
18	11.5	3	NOT POTABLE
27			

 Conductivity (EC) **1810** pH _____

SECTION E - CASING DETAILS

Type (PVC, steel etc)	Size O.D. (mm)	Wall thickness (mm)	Location (metres) From	To
PVC	100 CLASS 12		0	30
PVC	32 CLASS 12		0	9

SECTION J - PARTICULARS OF STRATA

From (metres)	To (metres)	Strata description (not more than one line if required)	Water bed (mud?)
0	12	DECOMPOSED SHALE	
12	27	BROKEN SHALE	✓
27	30	SHALE	

SECTION L - SUB ARTESIAN BORE ON COMPLETION
 Depth to standing water level from ground level **11.5** (metres)
 Depth to pump suction or bottom of drill stem **30** (metres)
 Type of test used Air Bail Pump
 Test supply **3** (litres/second) Duration of test **2** (hours) Drawdown level from surface _____ (metres)

SECTION F - CENTRALISERS TYPE
 Type _____ Location (metres) From _____ To _____

SECTION M - ARTESIAN BORE ON COMPLETION
 Pressure (kPa) _____ Free flow (litres/second) _____ Temperature (°C) _____

SECTION G - PERFORATIONS / SLOTS / SCREENS

Type	Size O.D. (mm)	Aperture (mm)	Location (metres) From	To
SLOTS	100	2	18	30

ENTERED
 13/04/2012 SS
 Scanned

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 File No. _____
2-9 FEB-2012
 Action: _____
 Item No.: **Coc**

SECTION N - REMARKS

SECTION H - CEMENTING / GRAVEL PACK / ANNULAR FILL DETAILS

Type & material size	Hole diameter (mm)	Casing diameter (mm O.D.)	Location (metres) From	To
1-9mm SAND	203	100	12	30
BENTONITE	203	100	10	12
PERMIENT GR. OUT	203	100	0	9

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.
DAVID SERNA **33/4**
 Driller **MARK SERNA** Driller's Licence No. **3250**
 Trainee _____ Driller's Licence No. _____
 Signature of Driller _____ Date **24/11/2011**
 Contractor **SERNA DRILLING PTY LTD**

RTI/DL Release

RECEIVED BY DERM MAREEBA
File No.
11 APR 2012

Registered Post



Delivery Confirmation – Advice Receipt

Registered Post No. <i>490829954019</i>	Sender's Reference <i>NOR/056110</i>
--	---

Receipt is acknowledged of the Registered Post item, the number of which appears above.
sch4p4(6) Personal information



Signature of Addressee* or Agent

[Redacted signature area]

* Registered Post articles sent **Person to Person** must be signed by the **addressee only**.

Signature of Delivery Officer
[Redacted signature area]

Date delivered
18/6/12



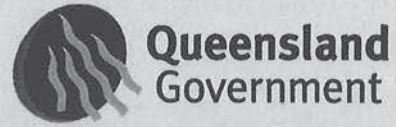
8835077 Nov 2005

RECEIVED BY DERM MAREEBA
File No *NOR/056110*
MAR. no. 2646
19 JUN 2012
Action By *MR594*
Reg Doc Code *#1715498*

Mount Carbine Quarries P.L.

REGISTERED POST

Author: S Smith
Our Ref: Keeper no. 1711475
File Ref: MAR – NOR/056110



15 June 2012

CARBINE TUNGSTEN LIMITED
PO BOX 1040
BUNGALOW QLD 4870

I CERTIFY THAT THIS IS A TRUE COPY OF A
LETTER FORWARDED TO *Carbine*
Tungsten Ltd ON *15-06-2012*

sch4p4(6) Personal Information

DESPATCH

REGISTERED POST - SENDER TO KEEP
490829954019

Dear Sir/Madam

RE: Construction of Water Bores within Lot 13 on SP127335 and Lot 3 on DA293

This office received on 11 April 2012 drill logs in relation to eight (8) bores within Lot 13 on SP127335 and two (2) bores within Lot 3 on DA293 that were drilled between 14 and 27 November 2011.

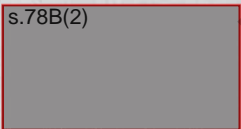
From the drill logs, it is unclear as to what purpose the bores are intended to be used for. Please advise this office in writing as to what purpose the bores are intended to be used for, such as irrigation, commercial, industrial, monitoring, etc.

These bores are located within the Water Resource Plan (Mitchell) 2007. Under section 59 of the Water Resource Plan (Mitchell) 2007, works for taking groundwater for other than stock or domestic purposes are assessable development and require a development permit.

Should you have any enquiries, please do not hesitate to contact this office on phone: (07) 4048 4850.

Yours sincerely,

s.78B(2)



Sasha Smith
Natural Resource Officer

28 Peters Street
PO box 156
MAREEBA QLD 4880
Australia

Telephone (07) 4048 4850
Facsimile (07) 4092 2366

Website www.derm.qld.gov.au

ABN 46 640 294 485

**PLEASE REFER TO
'KEEPER' FILE NO.**

NOR/056110

(NOT RECFIND NO.)

COMMENCEMENT OF 'KEEPER'

Page 46 redacted for the following reason:

s.78B(2)

RTI DL Release



Tenure Id: ML 4867
District: MAREEBA
Previous Id: ML2523MARE
Name of Lease: MT CARBINE NO 1
Status: GRANTED
Sub-Status:

Native Title Category:

Native Title Sub Category:

Pre-requisite Tenure Ids

-

Principal Holder

MT CARBINE QUARRIES PTY LTD
 PO BOX 3
 MT MOLLOY
 QLD

4871

<u>Holder Names</u>	<u>Share %</u>	<u>Status</u>	<u>Deal In</u>	<u>Date Appv</u>	<u>Deal Out</u>
MT CARBINE QUARRIES PTY LTD	100.0000	Current	962021	26-MAR-1996	
NORMANDY MINERALS LIMITED	100.0000	Former	940216	03-MAY-1994	962021
POSEIDON MINERALS LIMITED	100.0000	Former	3	15-DEC-1988	940216
POSEIDON MINERALS LIMITED	66.6666	Former	2	30-APR-1986	3
QUEENSLAND WOLFRAM PTY LTD	33.3333	Former	2	30-APR-1986	3
QUEENSLAND WOLFRAM PTY LTD	100.0000	Former	1	01-NOV-1976	2
RB MINING PTY LTD	100.0000	Former	0	23-DEC-1971	1

Marked Out Date and Time: 23-DEC-1971 4:00 PM

Lodged Date and Time: 23-DEC-1971 4:00 PM

Term Sought: 21 years

Certificate of Application Issued: 24-FEB-1972

Situated Within at Date Lodged

-

Area: 358.5 Ha

Surface Area: 345.1 Ha



Tenure Id: ML 4867

Local Authorities

Tablelands (R)

Minerals / Purpose

COPPER ORE
IRON ORE
MOLYBDENUM ORE
IRON--MAGNETITE
QUARTZ / QUARTZITE / SILICA
SILICA / SILICON / ROCK CRYSTAL
TIN ORE
TUNGSTEN / WOLFRAM / SCHEELITE

Locality

OVER AND SURROUNDING TOWN OF MT CARBINE

Date of Grant: 25-JUL-1974

Act Granted Under: MINERAL RESOURCES ACT 1989

Plan Number	Previous Plan Number	Volume	Folio
41197			

General Remarks

Renewal Processes

Notice Issued:

Lodged:

Approved:

Term History

Commenced	Expiry	Years
01-AUG-1974	31-JUL-1993	19
01-AUG-1993	31-JUL-1998	5
01-AUG-1998	31-JUL-2003	5
01-AUG-2003	31-JUL-2022	19

Background Tenures

	Land Usage	Compensation Required	Finalised
LOT 13 ON SP127335 BROOKLYN HOLDING PAR MAPPE CO DAGMAR	Mining	Y	07-JUL-2003
LOT 58 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
LOT 6 ON MPH14343 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003

Tenure Id: ML 4867

LOT 63 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
LOT 7 ON MPH14343 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
ROAD RESERVE (MAREEBA SHIRE) PAR MAPPE CO DAGMAR	Mining	Y	06-JUN-2003
LOT 8 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
LOT 9 ON MPH14343 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
LOT 96 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	07-APR-2003
PENINSULAR DEVELOPMENTAL ROAD PAR MAPPE CO DAGMAR	Access	N	07-APR-2003

<u>Dealing Name</u>	<u>Dealing Number</u>	<u>Action Initiated</u>	<u>Expected Completion</u>	<u>Actual Completion</u>
MORTGAGE OF INTEREST HELD Remarks: MORTGAGEE – Australia and New Zealand Banking Group Limited 18 Front Street MOSSMAN Q 4873.	998069	04-JUL-2002	15-NOV-2002	06-JAN-2003
SUB-LEASE INDICATION Remarks: Sublease indication for ML 4867 and 4919 to Icon Resources Limited to expire 20 November 2008.	1012868	08-AUG-2008	20-NOV-2008	20-AUG-2008

Tenure Id: ML 4874 -
District: MAREEBA
Previous Id: ML2556MARE
Name of Lease: STANNIFER CREEK
Status: NON-CURRENT
Sub-Status: SURRENDERED

Native Title Category:

Native Title Sub Category:

Pre-requisite Tenure Ids

-

Principal Holder

NORMANDY MINERALS LIMITED
MAIL CENTRE
MT CARBINE QLD 4871

<u>Holder Names</u>	<u>Share %</u>	<u>Status</u>	<u>Deal In</u>	<u>Date Appv</u>	<u>Deal Out</u>
NORMANDY MINERALS LIMITED	100.0000	Former	940217	03-MAY-1994	
POSEIDON MINERALS LIMITED	100.0000	Former	6	15-DEC-1988	940217
POSEIDON MINERALS LIMITED	66.6666	Former	5	30-APR-1986	6
QUEENSLAND WOLFRAM PTY LTD	33.3333	Former	5	30-APR-1986	6
QUEENSLAND WOLFRAM PTY LTD	100.0000	Former	4	01-NOV-1976	5
RB MINING PTY LTD	100.0000	Former	3	12-NOV-1971	4
TREVITHICK Reginald Albert Earl	100.0000	Former	2	27-APR-1970	3
RB MINING PTY LTD	100.0000	Former	1	13-NOV-1969	2
TREVITHICK Reginald Albert Earl	100.0000	Former	0	03-JUN-1968	1

Marked Out Date and Time: 03-JUN-1968 10:00 AM

Lodged Date and Time: 03-JUN-1968 10:00 AM

Term Sought: 21 years

Certificate of Application Issued: 04-JUN-1968

Situated Within at Date Lodged

-

Area: 2.023 Ha

Surface Area: 2.023 Ha



Tenure Id: ML 4874

Local Authorities

MAREEBA

Minerals / Purpose

TIN ORE

Locality

2.2 KILOMETRES SOUTH WEST OF MT CARBINE

Date of Grant: 01-JUN-1972

Act Granted Under: MINING ACT 1968-1971

Instrument of Lease

Date Issued	Volume	Folio	Date Replaced
01-JUN-1972	82	93	

Plan Number	Previous Plan Number	Volume	Folio
28193		82	93

General Remarks

Renewal Processes

Notice Issued:

Lodged:

Approved:

Term History

<u>Commenced</u>	<u>Expiry</u>	<u>Years</u>
01-JUL-1968	30-JUN-1989	21
01-JUL-1989	30-JUN-2010	21

Date Non-Current: 13-JUN-1996

Reason Non-Current: SURRENDER LODGED – REHAB SATISFACTORY

Background Tenures

LOT 13 ON DA453 BROOKLYN PASTORAL LEASE PAR
MAPPE CO DAGMAR

<u>Land Usage</u>	<u>Compensation Required</u>	<u>Finalised</u>
Mining	Y	

Tenure Id: ML 4876
District: MAREEBA
Previous Id: ML2558MARE
Name of Lease: TINGHA
Status: NON-CURRENT
Sub-Status: SURRENDERED

Native Title Category:**Native Title Sub Category:****Pre-requisite Tenure Ids****Principal Holder**

NORMANDY MINERALS LIMITED
 MAIL CENTRE
 MT CARBINE QLD 4871

<u>Holder Names</u>	<u>Share %</u>	<u>Status</u>	<u>Deal In</u>	<u>Date Appv</u>	<u>Deal Out</u>
NORMANDY MINERALS LIMITED	100.0000	Former	940219	03-MAY-1994	
POSEIDON MINERALS LIMITED	100.0000	Former	4	15-DEC-1988	940219
POSEIDON MINERALS LIMITED	66.6666	Former	3	30-APR-1986	4
QUEENSLAND WOLFRAM PTY LTD	33.3333	Former	3	30-APR-1986	4
QUEENSLAND WOLFRAM PTY LTD	100.0000	Former	2	01-NOV-1976	3
RB MINING PTY LTD	100.0000	Former	1	23-OCT-1969	2
TREVITHICK Reginald Albert Earl	100.0000	Former	0	03-JUN-1968	1

Marked Out Date and Time: 03-JUN-1968 9:00 AM
Lodged Date and Time: 03-JUN-1968 9:00 AM
Term Sought: 21 years
Certificate of Application Issued: 04-JUN-1968

Situated Within at Date Lodged

Area: 5.67 Ha
Surface Area: 5.67 Ha

Tenure Id: ML 4876

Local Authorities

MAREEBA

Minerals / Purpose

TIN ORE

Locality

2.3 KILOMETRES NORTH WEST OF MT CARBINE

Date of Grant: 10-AUG-1972

Act Granted Under: MINING ACT 1968-1971

Instrument of Lease

Date Issued	Volume	Folio	Date Replaced
10-AUG-1972	83	44	
Plan Number	Previous Plan Number	Volume	Folio
07643		83	44

General Remarks

Renewal Processes

Notice Issued: 14-APR-1989
 Lodged: 26-JUN-1989
 Approved: 21-DEC-1989

Term History

Commenced	Expiry	Years
01-JUL-1968	30-JUN-1989	21
01-JUL-1989	30-JUN-2010	21

Date Non-Current: 13-JUN-1996

Reason Non-Current: SURRENDER LODGED - REHAB SATISFACTORY

Background Tenures

Background Tenures	Land Usage	Compensation Required	Finalised
LOT 13 ON DA453 BROOKLYN PASTORAL LEASE PAR MAPPE CO DAGMAR	Mining	Y	15-AUG-1989

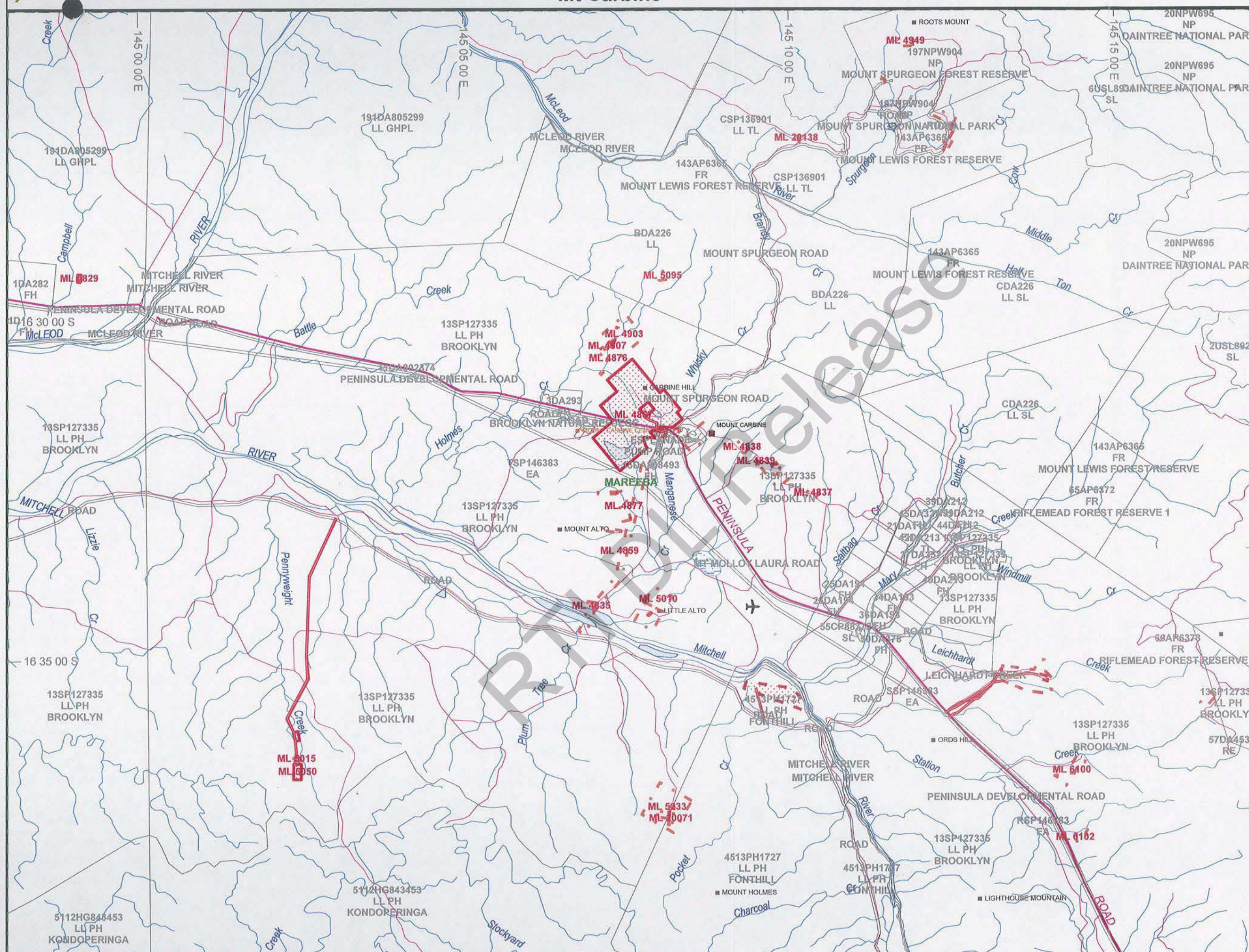
Mt Carbine



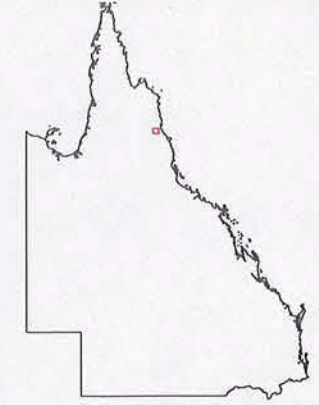
Department of
Mines and Energy

(c) The State of Queensland,
Mines and Energy, 2008.

Please turn over for legend



A3 From DR
Requested By: coughlinpm
Date: 9/17/08 1:29:18 PM












































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Scale 1:97,304
0 1 2 3 4 km

Projection: UTM (GDA94)
Zone: 55

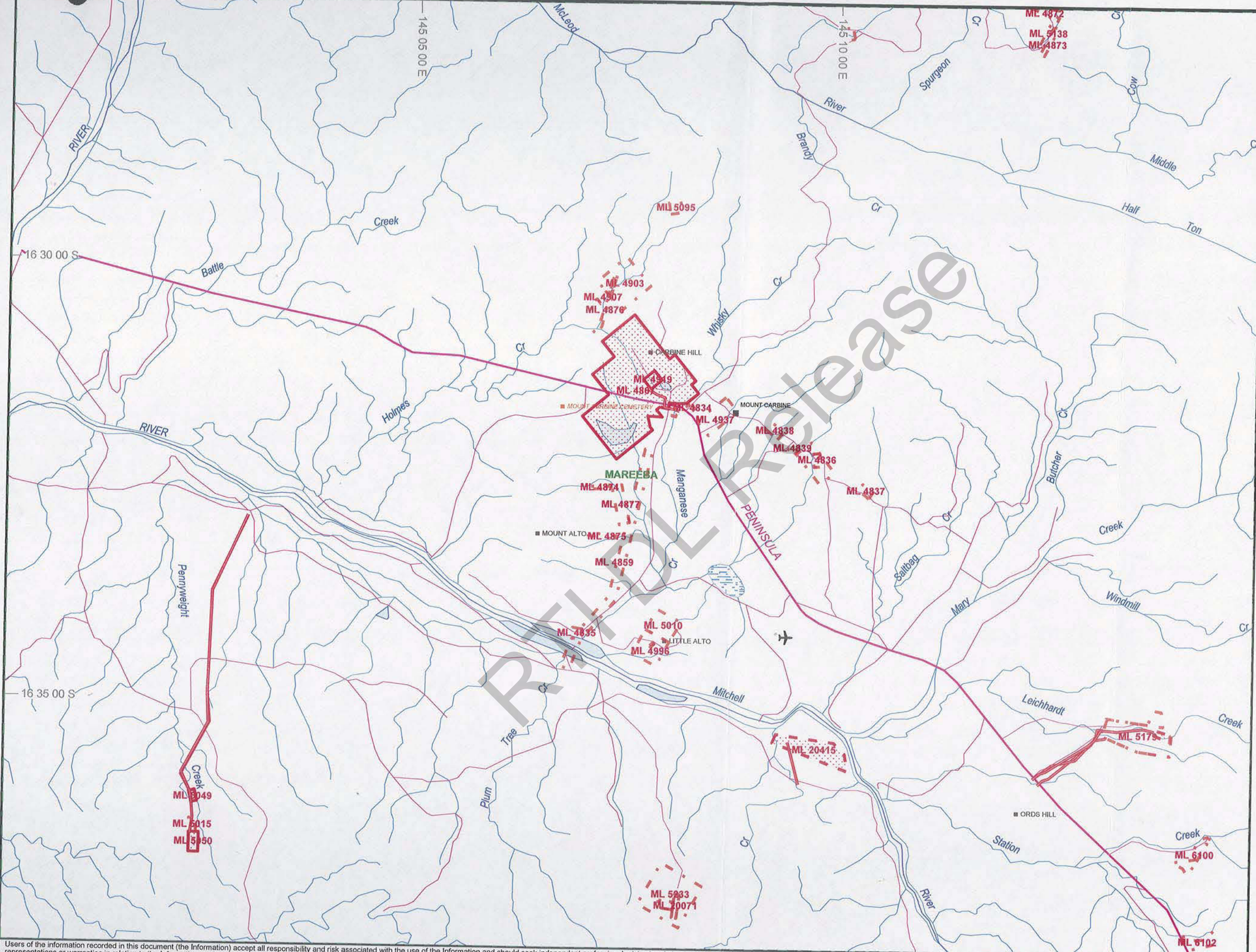
LEGEND

-  DCDB All
-  ML (Dead)
-  ML (Dead) Access
-  ML Access
-  ML Application
-  ML Grant
-  ML Surface Area
-  Mining District
-  STATE [Nil]
-  Topo - Airports
-  Topo - Border and Coast (100K) [Nil]
-  Topo - Drainage (250K) [Nil]
-  canal [Nil]
-  watercours_l
- Topo - Lakes, Dams [Nil]**
-  lake
-  mangrove_ft [Nil]
-  mangrove [Nil]
-  reservoir [Nil]
-  saln_cst_ft [Nil]
-  sub_to_inund
-  swamp marine [Nil]
-  swamp [Nil]
- Topo - Localities (100K) [Nil]**
-  Bay / Inlet / Cove [Nil]
-  Beach [Nil]
-  Cape / Headland / Point [Nil]
-  Cemetery
-  Gorge [Nil]
-  Homestead [Nil]
-  Mountain / Peak / Hill
-  Pass [Nil]
-  Populated Place [Nil]
-  Road Junction [Nil]
-  Waterbody Island [Nil]
- Topo - Offshore [Nil]**
- Topo - Railway Stations [Nil]**
-  rail_station [Nil]
- Topo - Railways [Nil]**
- Topo - Rivers**
- Topo - Road**
-  Highways
-  Major Roads
-  Roads
- Topo - Streams [Nil]**
-  rapid_a [Nil]
-  watercours_a [Nil]
-  line
-  Topo - Towns

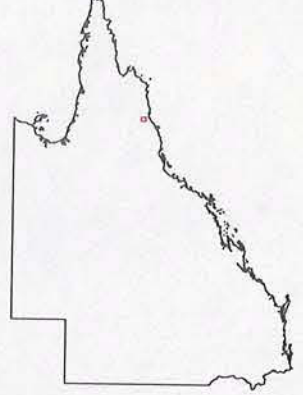
RTI DL Release

Mt Carbine

Please turn over for legend














































A3 From DR
 Requested By: coughlinpm
 Date: 9/17/08 1:27:58 PM



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LEGEND

-  ML (Dead)
-  ML (Dead) Access
-  ML Access
-  ML Application
-  ML Grant
-  ML Surface Area
-  Mining District
-  STATE [Nil]
-  Topo - Airports
-  Topo - Border and Coast (100K) [Nil]
-  Topo - Drainage (250K) [Nil]
-  canal [Nil]
-  watercours_1
- Topo - Lakes, Dams [Nil]**
 -  lake
 -  mangrove [Nil]
 -  mangrove_ft [Nil]
 -  reservoir [Nil]
 -  saln_cst_ft [Nil]
 -  sub_to_inund
 -  swamp [Nil]
 -  swamp marine [Nil]
- Topo - Localities (100K) [Nil]**
 -  Bay / Inlet / Cove [Nil]
 -  Beach [Nil]
 -  Cape / Headland / Point [Nil]
 -  Cemetery
 -  Gorge [Nil]
 -  Homestead [Nil]
 -  Mountain / Peak / Hill
 -  Pass [Nil]
 -  Populated Place [Nil]
 -  Road Junction [Nil]
 -  Waterbody Island [Nil]
-  Topo - Offshore [Nil]
- Topo - Railway Stations [Nil]**
 -  rail_station [Nil]
-  Topo - Railways [Nil]
- Topo - Rivers**
 -  Topo - Road
 -  Highways
 -  Major Roads
 -  Roads
- Topo - Streams [Nil]**
 -  rapid_a [Nil]
 -  watercours_a [Nil]
 -  waterline
-  Towns

RTI DL Release

Page 59 redacted for the following reason:

s.78B(2)

RTI DL Release

Note 2 file

Queenstand Wolfram - 46690 K licence - Under Renewal
Pty. Ltd. - ML 4874 (not current).

(a) In 1986 Poseidon Minerals took over

(b) In 1994 Normandy Minerals took over.

ML 4874 expired in Normandy Minerals
ownership on the 13/6/96.

- MBA 3668 (lost)

- Not in archives (MBA 3668)

- Not converted.

- Nominal Allocation = OML.

- in Mitchell Catchment

⇒ ML 4874 is now extant/dead, refuse licence renewal.

→ Refuse file 515(2646)
New QLD TUNGSTEN

3668 → 2487 → 515(2646)

Registry: 28/9/00

3668

Queensland Woolham Pty Ltd

NDW QUEENSLAND TUNGSTEN

REFER FILE 2487

SIS (2646)

Por. ML 2588

Par. Maple

Cty. Dagmar

Q.W.R.C. 754

15214—B271/84—Govt. Printer, Qld.

RTI DL Release

DRAFT LICENCE

(Water Resources Act 1989)

Page 1 of 3



Queensland Government

Department of Natural Resources

Licence 46690K **Expiry Date** 30/09/2000

Licensee QUEENSLAND WOLFRAM PTY LTD

Date of Original Issue 30/05/1986

Description of Works

Takes water from MITCHELL RIVER
by use of a 150mm CENTRIFUGAL PUMP
Location of Works Mining Lease ML4874 (MAREEBA)

Purpose of Works Mining

Nominal Allocation 0 megalitres

Land Supplied Mining Lease ML4874 (MAREEBA)

DELEGATED AUTHORISATION

Issued at Mareeba, this 15 day of Sept 2000

sch4p4(6) Personal information

Signature [Redacted]

RP Walsh
Senior Technical Officer (Stream Management)

Name Senior Technical Officer (Stream Management) Mareeba

Issue Key KF84W

Cancelled in WRD 15 Sept 2000 as
per WRA cancellation by Roy Walsh 10/7/00

sch4p4(6) Personal information

Client No: 15423K File No: MAR/515/000(2646)
Court House Complex, 167 Walsh Street, PO Box 156, MAREEBA, 4880
Telephone: (07) 4092 2555 Facsimile: (07) 40922366

A/ LEADER - WATER
RESOURCE MANAGEMENT
62 of 242

DRAFT
Licence 46690K

Expiry Date 30/09/2000

Page 2 of 3



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.
- 1-1.40 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.
- 1-1.60 The licensee must beneficially use the water that the licensee is entitled to divert under the licence to the satisfaction of the chief executive.
- 1-2.10 The licensee must at the licensee's cost maintain to the satisfaction of the chief executive, the bed and banks of the watercourse adjacent to the works with respect to which the licence is issued.
- 1-8.10 The licensee must pay any fee or charge prescribed by regulation made under the Water Resources Act 1989.
- 2-1.012 If required by the chief executive a meter of a type approved by the chief executive to record the volume of water passing through the licensed work, shall be purchased and installed at the licensee's expense. The meter, upon being installed, shall become the property of the chief executive who may remove it at any time. The licensee shall not remove the meter for any reason without the written approval of the chief executive nor shall the licensee take any action which results in the meter failing to register correctly the volume of water diverted by means of the licensed work. After being required to fit a meter, the licensee shall not take water under the authority of this licence until an approved type of meter to record the volume of water passing through the licensed work has been installed.
- 2-1.015 If required by the chief executive, the licensee shall record the water meter reading, date and time at the beginning and end of any pumping period and shall notify the Department's office at Mareeba on the day when pumping ceases of the dates and times upon which pumping commenced and finished and the meter readings in each case. Such records shall be made available immediately upon request to any Department officer.

DRAFT
Licence 46690K

Expiry Date 30/09/2000

Page 3 of 3



Licence Terms Schedule A (continued)

- 2-1.018 Where the chief executive has reason to doubt the accuracy of the meter reading, he may calculate the volume of water diverted by any means that he deems appropriate.
- 2-1.024 Diversion of water under the authority of this licence is to be carried out strictly in accordance with the directions of the chief executive whenever restrictions are imposed by the chief executive on diversion from the watercourse, lake or spring on which the licensed work is authorised to be installed or whenever restrictions on irrigation have been recommended by the Water Advisory Committee in whose area the watercourse, lake or spring is located.
- 2-4.001 The chief executive shall accept no responsibility whatsoever for the potable quality of water which is diverted for domestic purposes.

End of Schedule A

OFFICE MEMO - DNR

Date: 07/07/2000

Ref No: _____

From: sch4p4(6) Personal information TECHNICAL OFFICER (STREAM MGT.)

To: RAY WALSH, STD (SM)

SUBJECT: W/L RENEWAL APPLICATION 46690KOR

- THE ABOVE APPLICATION IS FOR THE RENEWAL OF W/L 46690K.
 - 46690K AUTHORIZES THE ABSTRACTION OF 0 ML FROM THE MITCHELL RIVER, BY WAY OF A 150mm CENTRIFUGAL PUMP LOCATED ON ML2558, TO SUPPLY WATER FOR MINING PURPOSES TO ML2558.
 - THE DEPT. OF MINERALS & ENERGY ADVISED THAT THIS LEASE WAS SURRENDERED ON THE 13/06/1996.
 - ON THE 19/4/1999 THE LICENSEES WERE REQUESTED TO PROVIDE THE WRITTEN CONSENT OF THE BACKGROUND TENURE HOLDERS WITHIN 30 DAYS OF THEIR RECEIPT OF THE AR CERT. NO RESPONSE WAS RECEIVED.
 - ON THE 27/4/1999, THE LICENSEE REQUESTED MORE TIME TO CONSIDER THE RENEWAL APPLICATION.
 - ON THE 08/11/1999, STEVE SMART, STD(SM) LEFT A MESSAGE ON THE LICENSEES ANSWERING MACHINE THAT THE LICENCE WOULD BE CANCELLED AS NO RESPONSE HAD BEEN FORTHCOMING.
- * I RECOMMEND THAT W/L 46690K RENEWAL APPLICATION 46690KOR BE REFUSED AS THE CONSENT OF THE BACKGROUND TENURE HOLDERS HAS NOT BEEN FORTHCOMING.

R P Walsh
Senior Technical Officer (Stream Management)

Approved 10/7/00

To: 56

From: SW Smart
Senior Technical Officer (Stream Management) Date 8/11/99 File: 575(2646)

Copies to:

Subject: W/W licence 46690K

Reference:

Phone answering machine 8/11/99.

Left message that I intend to cancel this licence as [redacted] had not contacted me as he promised on 27.4.99.

sch4p4(6) Personal information

See letter and notations under.

RTI DL Release

Subsequent Noting:

AR CERTIFIED

19 April 1999

Mt Carbine Quarries Pty Ltd
PO Box 3
MT MOLLOY QLD 4871

40941241
9 Main

sch4p4(6) Personal information

sch4p4(6) Personal information

(MR529)
Scheme, please place
on file 515(2646) +
place on B/V to me
for 1 June 1999
Thanks,

Dear Sir/Madam

RE: WATERWORKS LICENCE APPLICATION FOR RENEWAL: 46690K

I refer to the above mentioned Waterworks Licence No: 46690K.

Investigations of our records has revealed that the works of pump lines and pump to the Mitchell River, were located on Mining Lease ML2464 & ML2258, to supply the mine. However Mines and Energy have advised that these leases were surrendered non current 13/06/1996.

You are required to reach a written agreement with the background tenure holders upon which the works are located to site a pump and pipeline on their property, and property send copy to this Department.

If no response is received within 30 days from the date of this letter the licence will be cancelled and any works installed will be unauthorised and use would constitute a breach of the Water Resources Act 1989.

If you have any queries concerning the above matter please contact myself at this office on (07) 4092 2555.

sch4p4(6) Personal information

Yours sincerely

27/4/99

Phone call from
of Mt Carbine Quarries re this letter.
Asked for additional time to
consider licence renewal.
I gave an undertaking
to do so.

Steve Smart
Senior Technical Officer (Stream Management)
MAREEBA

sch4p4(6) Personal information

Enquiries to: Steve Smart
Telephone: (07) 4092 2555
Facsimile: (07) 4092 3939
Email: williamskm@dnr.qld.gov.au

Office Address:
Court House Complex
167 Walsh Street
MAREEBA 4880

Postal Address
PO Box 156
MAREEBA 4880

Reference
File Ref: 515/000(2646)
Our Ref: 9904kw18.doc

Noted 17/5/99
M.P.A.

AR CERTIFIED

19 April 1999

ICERTIFY THAT THIS IS A TRUE COPY OF A
LETTER FORWARDED TO *Mt Carbine Quarries*
D.1417.8346 ON *19/4/99*
sch4p4(6) Personal information
DESPATCH

Mt Carbine Quarries Pty Ltd
PO Box 3
MT MOLLOY QLD 4871

Dear Sir/Madam

RE: WATERWORKS LICENCE APPLICATION FOR RENEWAL: 46690K

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If you have any queries concerning the above matter please contact myself at this office on (07) 4092 2555.

Yours sincerely

sch4p4(6) Personal information

Steve Smart
Senior Technical Officer (Stream Management)
MAREEBA

Enquiries to: Steve Smart
Telephone: (07) 4092 2555
Facsimile: (07) 4092 3939
Email: williamskm@dnr.qld.gov.au

Office Address:
Court House Complex
167 Walsh Street
MAREEBA 4880

Postal Address
PO Box 156
MAREEBA 4880

Reference
File Ref: 515/000(2646)
Our Ref: 9904kw18.doc

OFFICE MEMO - DNR

Date 30/3/99

Ref. No. 515(2646)

From SAO - Licensing

To STO SM S W Smart
Senior Technical Officer (Stream Management)

SUBJECT WW lic 46690

The above licence was due for renewal 9/1992, but due to audit work was not completed.

Today I was trying to validate the ML with Mines & Energy. (see attached).

The original application & works were located within Mining lease, ML 2258.

Please advise suitable course of action.

1/4/99

Karen,

Please write to client and inform that they will need to reach a written agreement with background tenure holders to site pump and pipeline.

Give 30 days to respond or we will have no option but to cancel the licence.

sch4p4(6) Personal information

Tenure Id: ML 4867

District: MAREEBA
 Previous Id: ML2523MARE
 Name of Lease: MT CARBINE NO 1
 Status: GRANTED
 Sub-Status: RENEWAL LODGED

Pre-requisite Tenure Ids

-

Principal Holder

MT CARBINE QUARRIES PTY LTD
 PO BOX 3

MT MOLLOY

<u>Holder Names</u>	<u>Share %</u>	<u>Status</u>	<u>Deal In</u>	<u>Date Appv</u>	<u>Deal Out</u>
MT CARBINE QUARRIES PTY LTD	100.0000	Current	962021	26-MAR-1996	
NORMANDY MINERALS LIMITED	100.0000	Former	940216	03-MAY-1994	962021
POSEIDON MINERALS LIMITED	100.0000	Former	3	15-DEC-1988	940216
POSEIDON MINERALS LIMITED	66.6666	Former	2	30-APR-1986	3
QUEENSLAND WOLFRAM PTY LTD	33.3333	Former	2	30-APR-1986	3
QUEENSLAND WOLFRAM PTY LTD	100.0000	Former	1	01-NOV-1976	2
RB MINING PTY LTD	100.0000	Former	0	23-DEC-1971	1

Marked Out Date and Time: 23-DEC-1971 4:00 PM

Lodged Date and Time: 23-DEC-1971 4:00 PM

Term Sought: 21 years

Certificate of Application Issued: 24-FEB-1972

Situated Within at Date Lodged

-

Area: 358.5 Ha

Surface Area: 345.1 Ha

Plan Number: 41197



Tenure Id: ML 4867

Local Authorities

MAREEBA

Minerals / Purpose

MOLYBDENUM ORE

IRON ORE

SILICA / SILICON / ROCK CRYSTAL

COPPER ORE

IRON--MAGNETITE

TUNGSTEN / WOLFRAM / SCHEELITE

TIN ORE

QUARTZ / QUARTZITE / SILICA

Locality

OVER AND SURROUNDING TOWN OF MT CARBINE

Date of Grant: 25-JUL-1974

Act Granted Under: MINING ACT 1968-1973

Volume Folio

General Remarks

Renewal Processes

Notice Issued: 02-MAR-1998

Lodged: 01-MAY-1998

Approved: 03-OCT-1996

Term History

<u>Commenced</u>	<u>Expiry</u>	<u>Years</u>
01-AUG-1974	31-JUL-1993	19
01-AUG-1993	31-JUL-1998	5

Background Tenures

	<u>Land Usage</u>	<u>Compensation Required</u>	<u>Finalised</u>
LOT 13 ON DA453 BROOKLYN HOLDING PAR MAPPE CO DAGMAR	Mining	Y	01-MAY-1998
LOT 58 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	01-MAY-1998
LOT 96 ON USL9257 STATE LAND PAR MAPPE CO DAGMAR	Mining	N	01-MAY-1998
ROAD RESERVE PAR MAPPE CO DAGMAR	Mining	Y	12-JUN-1998



Tenure Id: ML 4867

<u>Dealing Name</u>	<u>Dealing Number</u>	<u>Action Initiated</u>	<u>Expected Completion</u>	<u>Actual Completion</u>
APPLN FOR ADDITIONAL MINERALS Remarks: ADDITION OF QUARTZ AND SCHIST APPROVED 01-MAY-84.	0	13-AUG-1983	08-OCT-1983	01-MAY-1984
PARTIAL SURRENDER OF AREA Remarks: PARTIAL SURR (AND VOA) REC'D MAREEBA 27JUL94 FOR AREA OF 697HA. (DRAFT SKETCH PLAN INDICATES AREA OF 363HA. BEING RETAINED); LTR 21SEP94 REQ SURR AND VOA FEES/B-G TENURE LIST/INFO ON EXCLUSIONS FROM ML AREA; REPLY LTR AND FEES REC'D 6OCT94	0	27-JUL-1994	04-JAN-1995	29-JUN-1995
MORTGAGE OF INTEREST HELD Remarks: MORTGAGEE-NATIONAL AUSTRALIA BANK LIMITED LEVEL 23 NATIONAL BANK HOUSE 255 ADELAIDE STREET BRISBANE; MORTGAGED 100%	962073	22-JUL-1996	22-JUL-1996	06-AUG-1996
COMPENSATION SETTLEMENT Remarks: AGREEMENT (BROOKLYN HOLDING) NO TERM SPECIFIED FILED 1MAY1998; AGREEMENT (ROAD RESERVE OFF PENINSULA DEVELOPMENTAL ROAD-MAREEBA SHIRE COUNCIL) FOR 40 YEARS FILED 12JUN1998; AGREEMENT NOT REQUIRED FOR USL.	0	01-MAY-1998	12-JUN-1998	19-JUN-1998

RTI DL Released

DEPARTMENT OF MINES AND ENERGY



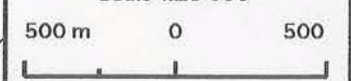
Active Layers

- Cadastre
- Mining Leases
- Sterile Land - Nil
- Constrained Land
- Restricted Areas - Nil

Projection: UTM

Zone: 55

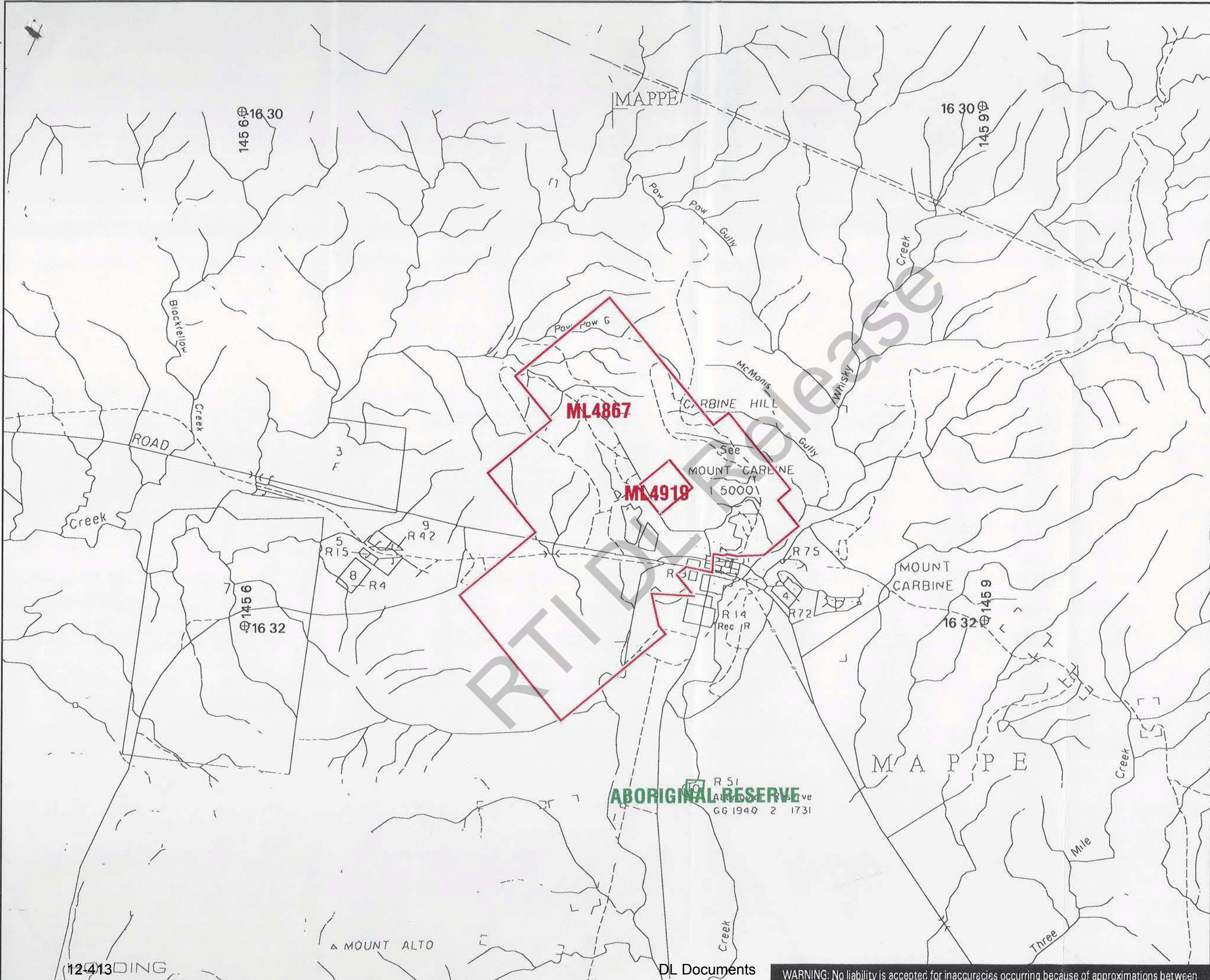
Scale 1:25 000



Requested By: mareenq2

Date: 30 Mar 99

Time: 9:23 AM



ABORIGINAL RESERVE
 R 51
 GG 1940 2 1731

DIAGRAM A
Scale 1:2500

Stn	To	Origin	Bearing	Dist
1	OIP	DA281	103°33'35"	1.006
1	O Box	-	170°53'35"	10.702
3	OIP	-	4°42'35"	1.006
3	OIP exposed	-	283°33'35"	-
3	ORT stump	-	351°28'35"	20.137
4	Pin	-	50°40'10"	1.835
5	-	-	320°40'10"	1.805
7	Box	ML4867	50°12'	7.875
8	Pin	ML4867	50°40'10"	1.33
10	Pin	ML4867	320°40'10"	2.12
11	-	-	50°40'10"	2.365
12	Box	ML4867	283°35'20"	14.105
13	Pin	-	230°40'10"	1.985
14	-	-	140°40'10"	1.87
16	-	-	320°40'10"	1.652
17	Ironbark	ML4867	50°40'10"	1.824
18	-	-	256°30'	1.755
19	Pin fd	-	320°40'10"	2.0
20	Pin	-	66°24'	1.242
21	-	-	320°40'05"	1.32
21	Ironbark	ML4867	299°30'15"	9.23
23	Pin	-	50°40'	1.715
24	-	-	56°32'20"	1.832
25	-	-	215°05'	1.8
27	-	-	252°38'	2.25
28	-	-	138°06'	1.45
29	-	-	160°0'	1.22
30	-	-	129°56'	2.15
33	-	-	101°12'30"	1.663
34	Nail in bitmn	-	192°11'55"	0.365
36	Pin	-	125°47'40"	3.265
37	-	-	140°40'10"	2.42
38	-	-	246°28'	2.57
38	Box	ML4867	87°24'	22.285
39	Pin	-	96°28'10"	2.051
39	Ironbark	ML4867	44°33'	7.545
40	Pin	-	140°40'10"	1.853
41	Box	ML4867	50°40'10"	1.812
41	Box	ML4867	220°10'	18.142
41	Steel pipe in Conc (Alto)fd	-	19°06'35"	152.75
42	Pin	-	50°40'10"	2.093
42	Box	ML4867	59°46'30"	13.07
43	Pin	-	140°40'10"	1.914
45	OIP	MPH25218	12°11'55"	1.006
45	O Nail gone	-	294°06'	20.197
46	Nail in bitmn	-	12°11'55"	4.613
47	OIP	MPH25218	12°11'55"	1.006
47	Nail fd in kerb	-	61°26'25"	11.515
47	O Nail gone	MPH25218	355°46'20"	21.057
47	O Spike gone	-	78°36'25"	51.149
48	OIP	-	192°11'55"	1.006
48	OIP	-	102°11'55"	1.006
49	OIP Flush	-	102°51'40"	1.029
50	OIP	-	102°11'55"	1.006
52	-	MPH03500	298°43'45"	-
52	-	-	136°43'45"	-
53	-	MP28189	136°57'20"	-
53	OIP gone	-	46°57'20"	-

Line Pegs

Stn	Bearing	Dist
4	50°40'10"	352.81
7	320°40'10"	110.51
7	"	553.09
8	50°40'10"	102.045
10	320°40'10"	34.625
10	"	107.38
10	"	249.76
11	50°40'10"	304.435
11	"	571.78
11	"	746.83
13	140°40'10"	90.095
13	"	124.105
13	"	349.255

Perm Marks

PM	Bearing	Dist	No
11 - PM	89°39'10"	2.86	107245
36 - "	159°25'	1.619	107246
45 - OPM gone	324°09'35"	37.437	-
51 - PM fd	275°34'30"	60.11	112818

Line Pegs

Stn	Bearing	Dist
13	140°40'10"	492.34
13	"	671.1
16	50°40'10"	36.7
17	140°40'10"	124.6
17	"	418.59
19	140°40'05"	49.63
21	230°40'	79.02
41	230°40'10"	349.42
41	"	656.545
42	320°40'10"	83.945
42	"	450.24
42	"	813.44

Reference Marks

Stn	To	Origin	Bearing	Dist
53	O Bldwd	MP28189	307°58'20"	13.438
54	OIP not fd	-	231°14'20"	1.006
54	"	-	141°14'20"	-
54	"	-	331°37'20"	5.291
55	OIP gone	-	231°14'20"	1.006
55	"	-	321°14'20"	-
55	"	-	351°23'20"	20.982
56	"	-	6°37'20"	22.631
57	ORT gone	-	231°38'20"	18.849
57	"	-	321°14'20"	1.006
57	"	-	51°14'20"	-
58	"	-	141°14'20"	-
59	OIP	MP07643	38°15'40"	-
59	"	-	308°15'40"	-
59	O Box	-	275°44'40"	8.268
60	OIP	-	218°15'40"	1.006
60	"	-	15°54'40"	-
60	O Box	-	132°58'40"	12.533
61	Post fd	RBM	306°21'10"	29.516
61	ORT gone	DA281	89°03'35"	10.219

Provisional AMG Co-ordinates

Stn	Easting	Northing	Zone
47 ^a	300630.792	8171484.179	55

Meridian Obs'n

Line	Plan Brg	AMG Brg
19-15	319°28'15"	319°28'15"

AMG Zone 55
Add 0°31'50" for True

Traverses etc

Line	Bearing	Dist
1-2	94°42'35"	386.685
2-3	4°42'35"	0.885
2-71	103°32'40"	502.774
71-72	103°15'10"	310.795
9-73	81°33'20"	922.541
73-19	126°56'20"	1046.705
11-59	312°35'	180.692
11-61	18°10'40"	1099.72
19-22	90°56'20"	1111.705
22-61	306°20'55"	3317.75
30-54	334°01'05"	738.732
44-45	192°11'55"	30.175
47-51	98°08'45"	224.601
B-53	316°57'20"	55.422
B-C	238°31'20"	21.766
47-47 ^a	61°26'25"	11.515
X-4	131°19'35"	43.458 Cal
Y-36	327°18'45"	42.589
5-37	100°23'20"	1170.87
6-36 ^a	"	1135.59

Area to be surrendered from original ML4867
(22-Q-P-N-M-g-h-t-D-k-l-h-j-E-F-G-R-S-H
J-z-n-m-59-60-b-G-K-L-22) excluding
ML4867, ML4919, Cemetery Res (Lot 8 on
DA39), Former ML's 2217, 2218 & 2242
1047.1725 ha - 358.5 ha ML4867
- 7.891 ha ML4919
- 4.0469 ha Lot 8 on DA39
- 0.3918 ha Former ML2217
- 0.3237 ha - ML2218
- 0.8094 ha - ML2242
Bal = 675.2 ha = area to be surrendered

Surface Area 1 (37-V-U-T-39-40-41-42-4-5-37) ÷ 111 ha
Surface Area 2 (36^a-6-7-8-10-11-13-16-17-18-19-20-S-R-P-24-25-27-28-29-30-33-36-36^a)
excluding ML4919 ÷ 234.1 ha
Total Surface Area = 345.1 ha
Area of ML4919 within ML4867 (54-55-57-58-54)
7.891 ha

DIAGRAM B
Scale 1:6000

Line	Bearing	Dist
41-N	203°28'30"	471.04
N-P	102°20'	200.0 Orig
P-Q	192°20'	213.05
N-M	"	468.57
22-Q	230°23'05"	2538.96
Q-M	"	324.48
M-g	"	519.55
g-t	"	187.14
t-D	"	252.062
g-h	257°04'	167.21
h-t	167°04'	84.03
h-l	177°37'	40.234 Orig
K-L	50°23'05"	804.672
L-22	140°23'05"	2816.352

Cancelled boundaries

Line	Bearing	Dist
22-D	230°23'05"	3822.192
D-E	320°23'05"	2011.68
E-F	50°23'05"	603.504
F-G	320°23'05"	402.336
G-H	50°23'05"	804.672
H-J	320°23'05"	1609.344
K-L	140°23'05"	402.336
L-22	140°23'05"	2816.352

Calculated connections to ML's, Tenure etc

Line	Bearing	Dist	Line	Bearing	Dist	Line	Bearing	Dist
D-k	320°23'05"	244.77	a-60	195°54'40"	615.93			
J-E	"	1716.38	a-n	"	549.37			
G-R	50°23'05"	226.36	28-f	250°58'20"	2.93			
R-S	"	159.177	f-d	12°12'	14.965			
S-H	"	419.135	d-e	126°22'	31.655			
S-3	184°42'40"	128.95	e-28	281°09'15"	26.385			
3-R	283°33'40"	115.24	20-s	230°40'	191.85			
H-8	116°19'50"	212.09	s-r	236°32'20"	92.57			
T-U	12°12'	14.455	r-26	"	151.45			
U-V	102°12'	21.85	23-p	"	109.165			
V-38	140°40'10"	12.51	p-24	"	63.145			
38-T	270°17'40"	32.34	p-r	339°14'20"	61.505			
J-a	50°23'05"	1363.234						
a-b	"	71.065						
b-61	"	175.045						

YES FIELD NOTES LODGED 2-3-95

FILE REFERENCE: _____ DATE CATALOGUED: _____ DRAWN BY: KR 21.12.1994

EXAMINED BY: P.C.W 22-6-95 CHECKED BY: sch4p(6) 3.7.95

LOCALITY: Mt Carbine

MINING FIELD: _____

PARISH: _____ COUNTY: _____ MINING DISTRICT: _____ MERIDIAN: _____

PLAN OF ML4867 MAPPE Dagmar Mareeba

74 of 242

7/5/98.

WERD VALIDATION

Client NO		TO NOTE WHEN ACTION COMPLETE	
	18494.		
Find file	515(2646).	✓	n82.
BLIN	Run off map for area (search by Lot/Plan or Long/Lat)	—	
	Compare to office file map		
	Has sub division drastically changed the area of the land. .1ha		
IF YES	To Marina with notes and this covering sheet marked showing problems.		
Check ownership of land and record.			
If ownership is still the same			
	Amend/Create new parcels ml 2523.	✓	n82
	Amend fix oftakes location (3) & Parcels Supplied (4)	✓	n82.
	Print to check licences.		
	Close off parcels which are no longer used on any licence.		
If ownership alters: (For Marina)			
	Is sold off parcels(s) > 1ha?		
	Is there any allocation involved?		
IF YES	Note and refer to Marina		
IF NO	Give to Marina to Cancel Licence, Send Letter & Application form.		
	To check if SW &/OR GW Client.		

QUEENSLAND
IRRIGATION AND WATER SUPPLY
COMMISSION

2487
515(2646)

SUBJECT:

Name: R.B. MINING
Details: QUEENSLAND TUNGSTEN

Job No.

CROSS-INDEXED UNDER	
Alphabetical	

Other Files dealing with same subject	File No.	Other Files dealing with same subject	File No.
	3668	CLIENT NO 33208	

94 3155

PROGRESSIVE ACTION AND FILE MOVEMENTS

Doc. No.	To whom referred	Date of Reference	Cleared	Doc. No.	To whom referred	Date of Reference	Cleared	Doc. No.	To whom referred	Date of Reference	Cleared
3874	SCO	17/10		2156	S/C/O	17/10		OM	SSCO	5/1/89	
	ENG COOK				C/L	3/84			AO		
3879	SCO	79			D/E			B/U	SSCO	11/10/89	
	9/1			2468	R/E	5/1		WW EXPIRY x3	AO	27/9/89	
Form	S/C/O	26/11			D/E	6/1			SCO		
APS	Eng Cook	11/11			S/C/O	84		OM	D/E	6/2/89	
	R/E	17/9			C/L				AO		
	C/M			3004	C/L	28/6/86		B/U	AO	2/4/90	
5151	C/M	27/2/85			S/C/O	86		FILE	SSCO	2/4/90	
4227	C/L	24/83		4939	C/L	31/10/85		B/U	SCO	30/4/90	
4443	C/L	26/9/83			D/E	85		OM	AO	17/1/90	
	S/C/O				S/C/O				CW		
Form	S/C/O	11/11		3611	C/L	8/9/86		FORM	SSCO	23/1/90	
2405	D/E	10/83			S/C/O	9/9/86		245	DE	1/10/90	
	R/E	83			C/L	86		FOR MAPIN 50014	CL		
	C/L			2621	D/E	19/87		1638	UG	24/5/92	
4439	S/C/O	4/10/83			S/C/O	87		227	RAS	28/1/93	
OM	D/E	1/11/83		B/U	SSCO	31/11			UG		
	C/L			B/U	SSCO	11/8/88		279	UG	3/2/93	
5311	C/L	24/1/82		B/U	SSCO	21/3/89		DM	SSCO	15/2/84	
172	C/L	16/11		WW	SSCO						
LWS 541	SSCO	11/8		EXP	AO						

sch4p4(6)

Personal information

QUEENSLAND
IRRIGATION AND WATER SUPPLY
COMMISSION

2487

515(2646)

SUBJECT:

Name: R.B. MINING.
Details: QUEENSLAND TUNGSTEN
QUEENSLAND TUNGSTEN

CROSS-INDEXED UNDER

Alphabetical

Job No.

Other Files dealing with same subject	File No.	Other Files dealing with same subject	File No.
	3668	CLIENT NO 33208	

97 943155

PROGRESSIVE ACTION AND FILE MOVEMENTS

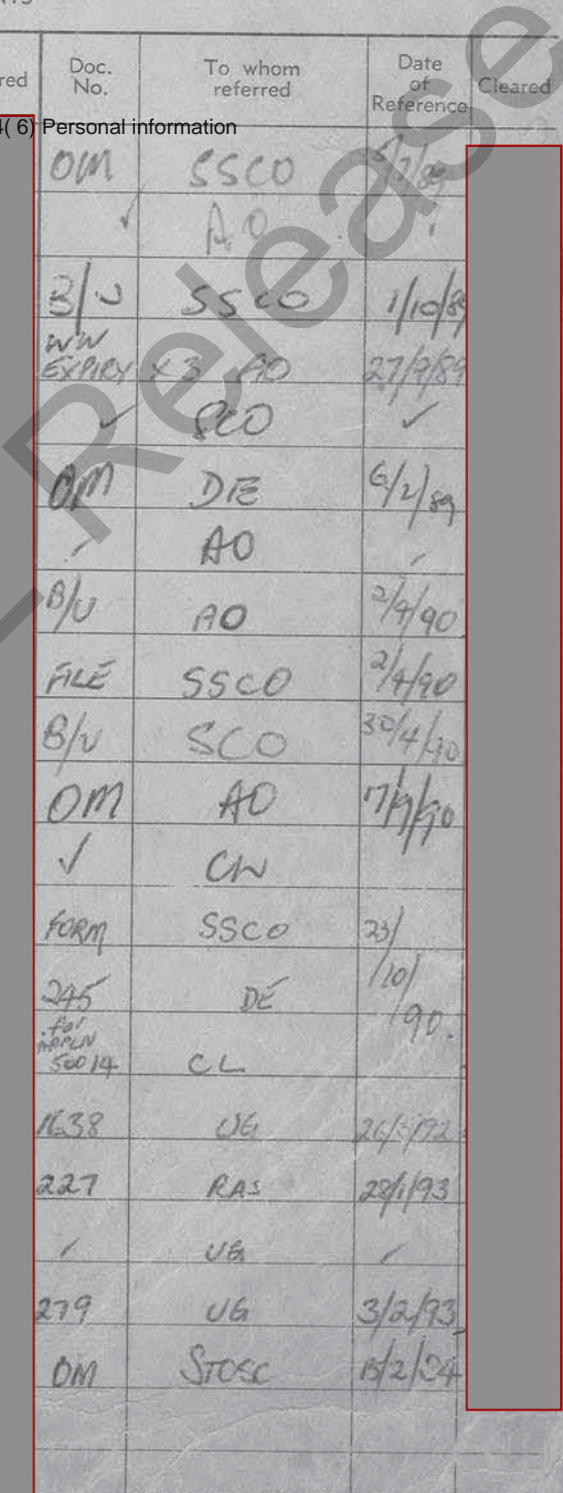
Doc. No.	To whom referred	Date of Reference	Cleared	Doc. No.	To whom referred	Date of Reference	Cleared	Doc. No.	To whom referred	Date of Reference	Cleared
3874	SCO	17/10/79		2156	S/C/O	17/10/79		OM	SSCO	1/10/89	
	ENG WORK				O/L	17/10/79			AO		
3879	SCO	79			D/E			B/U	SSCO	1/10/89	
	Y/O			2468	R/E	5/1/80		W/W EXPN	AO	27/9/89	
Form	S/C/O	26/1/80			D/E	1/1/80			AO		
245	ENG WORK	11/1/80			S/C/O	6/1/80		OM	D/E	6/2/89	
	R/E	1/1/80			C/L	8/1/80			AO		
	C/M	1/1/80		3004	C/L	28/6/80		B/U	AO	2/4/90	
5151	C/M	2/10/80			S/C/O	8/1/80		FILE	SSCO	2/4/90	
4227	C/L	2/10/80		4939	C/L	3/10/80		B/U	SCO	30/4/90	
4443	C/L	26/10/80			D/E	8/1/80		OM	AO	17/1/90	
	S/C/O	19/83			S/C/O	1/1/80			CW		
Form	S/C/O	11/1/83		3611	C/L	8/10/80		FORM	SSCO	23/1/90	
3405	D/E	10/1/83			S/C/O	9/9/86		245	D/E	1/10/90	
	R/E	8/3			C/L	1/1/86		W/W EXPN 50014	C/L		
	C/L			2621	D/E	19/1/87		1638	UG	26/1/92	
4439	S/C/O	4/10/83			S/C/O	1/1/87		227	RAS	28/1/93	
OM	D/E	1/1/83		B/U	SSCO	3/1/87			UG		
	C/L	1/83		B/U	SSCO	1/1/88		279	UG	3/2/93	
551	C/L	24/1/82		W/W EXPN	SSCO	27/3/89		OM	SSCO	15/2/84	
172	C/L	16/1/81			AO						
1.W.S. 541	SSCO	11/8									

sch4p4(6)

Personal information

sch4p4(6)

Personal information



**Department of Primary Industries
Office Memo**

167 Walsh Street, PO Box 156, MAREEBA QLD 4880

Your Ref:
Author: Ray Walsh

Our Ref: mbw0230-106.DOC
Telephone: (070) 922 555

RW:GP / :FILE NO 2487
Facsimile: (070) 923 939

DATE: 12 February 1996

FROM: Ray Walsh, Senior Technical Officer (Stream Management)

TO: A/District Manager Resource Management

SUBJECT: WATERWORKS LICENCE APPLICATION NO50014

APPLICANT: QUEENSLAND TUNGSTEN
MAIL CENTRE
MT CARBINE QLD 4871

LOCATION AND TYPE OF WORKS:

Latitude: _____

Longitude: _____

Lot/RP: ML 2523

Parish: MAPPE

Watercourse: NOT ON A WATERCOURSE

Works: REFERABLE DAM

TO SUPPLY:

Lot/RP: ML 2523

Parish: MAPPE

PURPOSE OF WORKS:

Storage of Mining 'Tailings'

ADVERTISING: *In accordance with section 42 of the Water Resources Act 1989 the above application was correctly advertised as follows:-*

<i>Newspaper:</i>	Cairns Post
<i>Date advertised:</i>	29.09.90
<i>Closure date for objections:</i>	19.10.90
<i>Objections received:</i>	NIL

APPLICANT/OBJECTORS NOTIFIED:

	D	M	Y	
By letter dated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	or
Not applicable	<input checked="" type="checkbox"/>			

INVESTIGATION REPORT: *In accordance with Section 43(1) of the Water Resources Act the application was investigated.*

Ownership of old ML2523 is now Poseidon Minerals Ltd. Applicant therefore has no legal tenure over the land, accordingly the application cannot be considered.

STATEMENT OF FINDINGS/RESULTS OF INVESTIGATIONS:

Having considered the facts I recommend-
Refusal of the application.

SCHEDULE OF TERMS FOR LICENCE NUMBER/S

(1) _____
 (2) _____

1, 1.001, 1.002, 1.003, 1.004, 1.015, 1.018, MBA4

MBA1

This licence authorises the following:

Maximum Abstraction Rate ___ litres per second

Maximum Monthly Allocation ___ megalitres

Annual Allocation _____ megalitres

This supply is to be obtained from the following sources:-

Stream Flow - Maximum Monthly Allocation ___ megalitres

Annual Allocation _____ megalitres

Other being - Maximum Monthly Allocation ___ megalitres

- Annual Allocation _____ megalitres

MBA2

MAXIMUM ABSTRACTION RATE:

This is the sustainable pumping rate determined from stream flows and storage if available that ensures a continuous flow downstream to maintain a healthy riverine environment.

MAXIMUM MONTHLY ALLOCATION:

This is the water requirement for your crop in the month of peak demand, and is the amount of water available in 60% of years. In drier times the Department may reduce this allocation temporarily. The allocation authorised by this licence will enable the irrigation of ___ hectares of ___ at an application rate of ___ mm/week.

ANNUAL ALLOCATION:

This is the volume of water nominally used in a 12 month period.

All of the above terms are required to successfully manage the water resource.

A failure to comply with these terms and or conditions will result in a breach of the Water Resources Act.

OTHER SPECIFIC TERMS

sch4p4(6) Personal information

Signature: _____

Name: R P Walsh

Position: Senior Technical Officer Stream Management

APPROVAL:

The application as detailed in the investigating officers report above is ~~approved~~/refused. I am an authorised officer with the delegation to approve or refuse waterworks licence applications under section 43(2) of the Water Resources Act, 1989 under Instrument of Delegation signed by the Director General on 30th September 1992.

Refused on grounds that application is not in the name of the current owner of the site

sch4p4(6) Personal information

Signature: _____

Name: *Ken Kesley*

Position: *FOURM 25/13/96*

FOLLOW UP ACTION:

(i) **APPROVAL:** Licence issued: Database noted: Initials: _____

(ii) **APPROVED VARIATION TO APPLICATION:**

If decision is contrary to what applicants are seeking then Section 51 appeal form included with licence document: Initials: _____

(iii) **REFUSAL:** Applicant notified by certified mail: Section 51 Appeal form included: Database noted: Initials:

(iv) **OBJECTORS NOTIFIED OF DECISION:**

By Certified Mail:

If decision is contrary to what objectors are seeking then Section 51 appeal form included: Initials: _____

(v) **OPSDB:** Information entered: Lat. & Long. entered: Checked: Initials:

To: Senior to Stream ControlFrom: Clerk Licencing Date 15/2/94 File: 2487.

Copies to:

Subject: Application 50014

Reference:

Phoned Department of Minerals and Energy,
Marruba 11/2/94 who advise:-

- old ML 2523 now ML 4864

- ML is in the name of

POSEIDON MINERALS LTD

100 HUTT ST

ADELAIDE SA 5000

- Prior to 1986 it was in the name of
Old Wolfram.

Application 50014 received 17/4/90 in name
of Old ~~Wolfram~~ Jungsten. As they have
no legal tenure over ML 2523 can
you please make a recommendation
to refuse the application.

sch4p4(6) Personal information

Subsequent Noting: _____

TRANSMISSION REPORT

2487

WATER RESOURCE? COMM (26 FEB '99 10:23)

DATE:	START TIME	REMOTE TYPE	FILE NO.
26 FEB	10:23		

RTI DL Release

TRANSMISSION REPORT

2487

REPORT BY (NAME) (DATE) (TIME)

DATE START TIME

26 FEB

FILE NO.

RTI DL Release

Water Resources Commission

Far Northern Region
P.O. Box 156, Mareeba 4880.
167 Walsh Street Mareeba.
Phone (070)922 555, Fax (070)923 939.

FACSIMILE TRANSMITTAL COVER SHEET

To : J. BASEMA From : B. KEOGH
Attn. : _____ Date : 26-2-92
Fax No. : 926 134 962 134 Our File Ref.: 2487
Your File Ref.: _____ Doc No.: _____
Number Of Pages Including Cover Sheet : 6

Subject : MT. CARBINE BORE RESULTS
Message :

JACOBS

I AM SORRY I CAN NOT HELP YOU WITH WHAT
TO DO WITH THIS WATER AT THE MOMENT.

YOU MAY GET SOME INFO FROM CAIRN'S CITY COUNCIL
PH. 070. 331173 (BARRY HUNT)

HOPE THIS WILL HELP YOU OUT

sch4p4(6) Personal information

FNQ. SD. 89.

R Lait:sb
(070) 922 555

2487
21 December 1992

Queensland Tungsten
Mail Centre
MT CARBINE QLD 4871

ATTENTION MR D WOLFF

Dear Sir

BORE PERFORMANCE - ML 4867, MT CARBINE

I refer to a pump test carried out on a bore located on ML 4867, Mt Carbine by an officer of this department on 10 November 1992. I wish to apologise for the delay in supplying this analysis to you.

At the outset it should be noted that the estimating of long term pumping rate has been made after considering the behaviour of bore during a pumping test of 48 hours duration. While tests of this duration are usually sufficient to provide a basis for estimating the long term pumping rate, it should be realised that the bore will be operating for a very much longer period, during which time factors which will have an adverse effect on the rate may become apparent.

Accordingly then this Commission is unable to accept responsibility for any failure of the bore to continue to operate at the rates quoted in this letter.

Long Term Pumping Rate

Prior to the start of the test the standing water level (S.W.L.) in the bore was 7.89 metres (m) below ground level (b.g.l.). With the pump inlet set at 26 metres b.g.l. the table below gives long term pumping rates which could be obtained for this standing water level plus other lower levels which will result from dry seasonal conditions and from increased use of groundwater in your area, for continuous pumping.

1205-164.MRW

Continuous Pumping**Water Level**

7.89 m b.g.l. (S.W.L. on 10.11.92)
10.49 m b.g.l (2.5m below S.W.L. of 7.89 m)

**Long Term
Pumping Rate**

5.83 litres/second
5.03 litres/second

Note: 1 litre/second is approximately 792 g.p.h.

It is suggested that you accept the possibility of the water level in your area falling by 2.5 metres and that you adopt 5 litres/second as the rate the bore can be equipped under continuous pumping conditions.

Water Bed

The bore appears to be of sound construction and to have a stable water bed.

General

It is pointed out that while information given either verbally or in writing by the Commission or its Officer, 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.

If you have any further queries concerning your bore please contact me and I will assist if possible.

An invoice for this test is enclosed for you attention.

Yours faithfully

s.78B(2)


G B Sadler
District Manager
MAREEBA DISTRICT

1205-164.MRW

UNDERGROUND WATER ANALYSIS REPORT

The Commissioner,
Queensland Water Resources Commission,
BRISBANE, Q., 4000

QWRC No: 147175

Lab Ref: IU92WS3136
Batch No: 670-31

Date Sampled: 11/11/92

Date Received in Lab: 27/11/92

Registered Number : 78259 A PUM
Total Depth (m) : 38
Pumping Time : 30 HOURS
Depth Sampled (m) : 26
Portion & Parish : MAPPE
Sample Source :
Owner/Address: QUEENSLAND TUGSTEN C/- MAIL CENTRE MT CARRIDGE
Other Details:

Record: 02

WATER RESOURCES MAREEBA REGIONAL OFFICE		COMMISSION
03 FEB 1993		
DCR No 4871 279		
FILE	REFER	
2487	16: R	

		mg/L
Conductivity	($\mu\text{S}/\text{cm}$ @ 25°C)	1250
pH at 22°C		7.9
Total Hardness	(mg/L CaCO ₃)	345
Temp. Hardness	(mg/L CaCO ₃)	320
Alkalinity	(mg/L CaCO ₃)	320
Residual Alkalinity	(meq/L)	0.0
Silica	(mg/L)	55
Total Dissolved Ions	(mg/L)	870
Total Dissolved Solids	(mg/L)	730
Colour	(Hazen)	-
Turbidity	(NTU)	-
Total Suspended Solids	(mg/L)	-
pH _s (calc. for CaCO ₃)		7.1
Saturation Index		0.8
Mole Ratio		2.1
Sodium Adsorption Ratio		3.3
Figure of Merit (Ratio)		1.1
CATIONS		
Sodium	Na ⁺	140
Potassium	K ⁺	0.7
Calcium	Ca ⁺⁺	74
Magnesium	Mg ⁺⁺	39.0
Hydrogen	H ⁺	0.0
ANIONS		
Bicarbonate	HCO ₃ ⁻	390
Carbonate	CO ₃ ⁻⁻	2.2
Hydroxide	OH ⁻	0.0
Chloride	Cl ⁻	165
Fluoride	F ⁻	3.6
Nitrate	NO ₃ ⁻	<0.5
Sulphate	SO ₄ ⁻⁻	55
OTHER DISSOLVED ELEMENTS		
Iron	Fe	<0.02
Manganese	Mn	0.31
Zinc	Zn	<0.02
Aluminium	Al	<0.05
Boron	B	<0.1
Copper	Cu	<0.05

REMARKS

The water does not comply with NHMRC(1987) drinking water guidelines for F and Mn.
Marginal quality for irrigation (IB, IH). Consult DPI.
Unsuitable for stock (SF). Consult DPI.

CHEMIST: D LEE

DATE: 22/01/93

SIGNED: .. [Redacted] ..
FOR DIRECTOR: D. W. Connell

Note: This analysis is of the sample as received and no responsibility is taken for sampling by this Laboratory.
The remarks take no account of microbiological, radioactive, or other undetermined chemical constituents.
A '-' indicates 'Not Determined'. Lab Use Only: TE 2124.32 TC 13.01 TA 12.45 Imb 0.56B I/C 0.54

GOVERNMENT CHEMICAL LABORATORY

39 Kessels Rd Coopers Plains Qld 4108

Report Id : 92WS3135

P.O. Box 594
Archerfield, Qld 4108.
Tel : (07)2749059
Fax : (07)2749119
Lab Ref : 92WS3135/3135 :
GCL REF: 92110865

To The Director, Water Resources Division
Qld Water Resources Commission
BRISBANE Q 4001

Date Received : 27/11/92
Received From :
Number of Samples : 1

Potable Waters Section Analysis Report

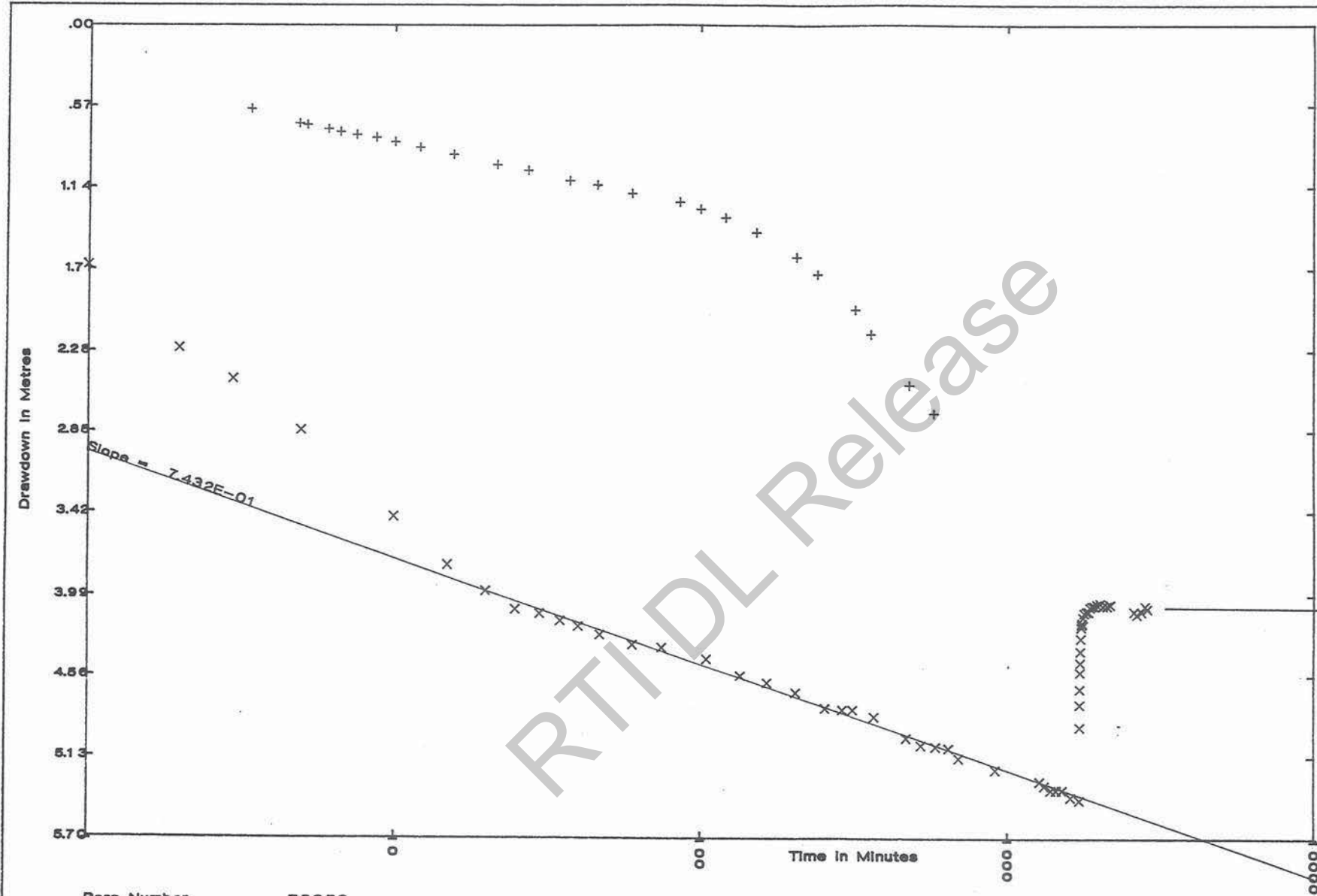
Owner/Address: Qld Tungsten Mail Centre Mt Carbine 4871

	QWRC147174
Copper ($\mu\text{g/L Cu}$)	1
Lead ($\mu\text{g/L Pb}$)	< 2
Cadmium ($\mu\text{g/L Cd}$)	0.1
Nickel ($\mu\text{g/L Ni}$)	< 5
Chromium ($\mu\text{g/L Cr}$)	3
Iron ($\mu\text{g/L Fe}$)	1500
Manganese ($\mu\text{g/L Mn}$)	310
Zinc ($\mu\text{g/L Zn}$)	20
Arsenic ($\mu\text{g/L As}$)	35

Note: Trace metal results are reported in micro-gram per litre.

sch4p4(6) Personal information

..... 06/01/93
For D. W. Connell, Director.



Set Suction	26.00 m
SWL	7.89 m
ADD	18.11 m
Test Rate (Q)	0 l/s
SV (Max)	.00 m
Log t	6.00
Slope	7.432E-01
Sw at Log t	7.45 m

Continuous Design Rates		
SV	WL	Q
0.0	7.89	5.83
1.0	8.89	5.51
2.5	10.39	5.03
5.0	12.89	4.22

RATE REDUCED FROM 1726 min. BORE COMMENCED RECOVERY AND DRAWDOWN CEASED.

Bore Number 78259
 Pump Test Number 1
 Pump Type mono 620
 Date 10/11/92
 Suction At 26.0
 S.W.L 7.89
 Available D.D 18.11
 Final Draw Down 4.08
 Final Pump Rate 2.4 lps
 Duration 2876 mins
 Pumping Time 1132 mins
 Residual D.D. .59
 Remarks

DL Documents
 Location Map

Analysed	WATER RESOURCES COMMISSION	
	MT CARBINE BORE	RunID: 123
Approved	90 of 242	
	Date: 08/12/92	
DRAWDOWN AND RECOVERY CURVES		



UNDERGROUND WATER ANALYSIS REPORT

The Commissioner,
Queensland Water Resources Commission,
BRISBANE, Q., 4000

QWRC No: 147175

Lab Ref: IU92WS3136
Batch No: 670-31

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Date Received in Lab: 27/11/92

Registered Number : 78259 A PUM
Total Depth (m) : 38
Pumping Time : 30 HOURS
Depth Sampled (m) : 26
Portion & Parish : MAPPE
Sample Source :
Owner/Address: QUEENSLAND TUGSTEN C/- MAIL CENTRE MT CARRIBINE
Other Details:

Record: 02

WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
03 FEB 1993	
OFF. No. 4871 279	
FILE	REFER
2487	UG R

Conductivity	($\mu\text{S/cm}$ @ 25°C)	1250
pH at 22°C		7.9
Total Hardness	(mg/L CaCO ₃)	345
Temp. Hardness	(mg/L CaCO ₃)	320
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Colour	(Hazen)	-
Turbidity	(NTU)	-
Total Suspended Solids	(mg/L)	-
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Saturation Index		0.8
Mole Ratio		2.1
Sodium Adsorption Ratio		3.3
Figure of Merit (Ratio)		1.1

mg/L		
CATIONS		
Sodium	Na ⁺	140
Potassium	K ⁺	0.7
Calcium	Ca ⁺⁺	74
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Marginal quality for irrigation (IB, IH). Consult DPI.
Unsuitable for stock (SF). Consult DPI.

CHEMIST: D LEE

DATE: 22/01/93

SIGNED: [Redacted Signature]

FOR DIRECTOR: D. W. Connell

Note: This analysis is of the sample as received and no responsibility is taken for sampling by this Laboratory.
The remarks take no account of microbiological, radioactive, or other undetermined chemical constituents.
A '-' indicates 'Not Determined'. Lab Use Only: TE 2124.32 TC 13.01 TA 12.45 Imb 0.56B I/C 0.54



Water Resources Commission
Department of Primary Industries

66143

.....Office

28-1-1993

RECEIVED BY Cash/Cheque from: Qld Tungsten

(As Above)
(Insert name of drawer of cheque)

the sum of (words) Two thousand three hundred and

Twenty eight dollars — cents,

2 328 00

for Pump test analysis & wa Test B55138

sch4p4(6) Personal information
RECEIVING OFFICER

W.R.C. 684

Cheques or Other Negotiable Instruments Accepted Subject to Clearance.

RTI DL Release

QUEENSLAND TUNGSTEN

MT CARBINE MAIL CENTRE

CHIRNS 4871

To - Queensland Water Resources Commission

P.O. Box 156
Mareeba
Qld, 4880

TELEPHONE 9431535

DATE 25-1-93

28 JAN 1993

REMITTANCE ADVISE 227

FILE	REFER
2487	RAS R

DATE	YOUR REF	DETAILS	NETT AMOUNT
<p>Invoice # B 55138</p> <p>Pump Test, Analysis and Water Quality Test</p>			
CHEQUE NO 000548	CHECKED BY	PASSED FOR PAYMENT	\$ 2328.00

R Lait:sb
(070) 922 555

2487
21 December 1992

Queensland Tungsten
Mail Centre
MT CARBINE QLD 4871

ATTENTION MR D WOLFF

Dear Sir

BORE PERFORMANCE - ML 4867, MT CARBINE

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Accordingly then this Commission is unable to accept responsibility for any failure of the bore to continue to operate at the rates quoted in this letter.

Long Term Pumping Rate

Prior to the start of the test the standing water level (S.W.L.) in the bore was 7.89 metres (m) below ground level (b.g.l.). With the pump inlet set at 26 metres b.g.l. the table below gives long term pumping rates which could be obtained for this standing water level plus other lower levels which will result from dry seasonal conditions and from increased use of groundwater in your area, for continuous pumping.

1205-164.MRW

Continuous Pumping

Water Level	Long Term Pumping Rate
7.89 m b.g.l. (S.W.L. on 10.11.92)	5.83 litres/second
10.49 m b.g.l (2.5m below S.W.L. of 7.89 m)	5.03 litres/second

Note: 1 litre/second is approximately 792 g.p.h.

It is suggested that you accept the possibility of the water level in your area falling by 2.5 metres and that you adopt 5 litres/second as the rate the bore can be equipped under continuous pumping conditions.

Water Bed

The bore appears to be of sound construction and to have a stable water bed.

General

It is pointed out that while information given either verbally or in writing by the Commission or its Officer, 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.

If you have any further queries concerning your bore please contact me and I will assist if possible.

An invoice for this test is enclosed for your attention.

Yours faithfully



G B Sadler
District Manager
MAREEBA DISTRICT

1205-164.MRW

GOVERNMENT CHEMICAL LABORATORY

39 Kessels Rd Coopers Plains Qld 4108

P.O. Box 594
Archerfield, Qld 4108.
Tel : (07)2749059
Fax : (07)2749119
Lab Ref : 92WS3135/3135 :
BCL REF: 92110865

Report Id : 92WS3135

To The Director, Water Resources Division
Qld Water Resources Commission
BRISBANE Q 4001

Date Received : 27/11/92
Received From :
Number of Samples : 1

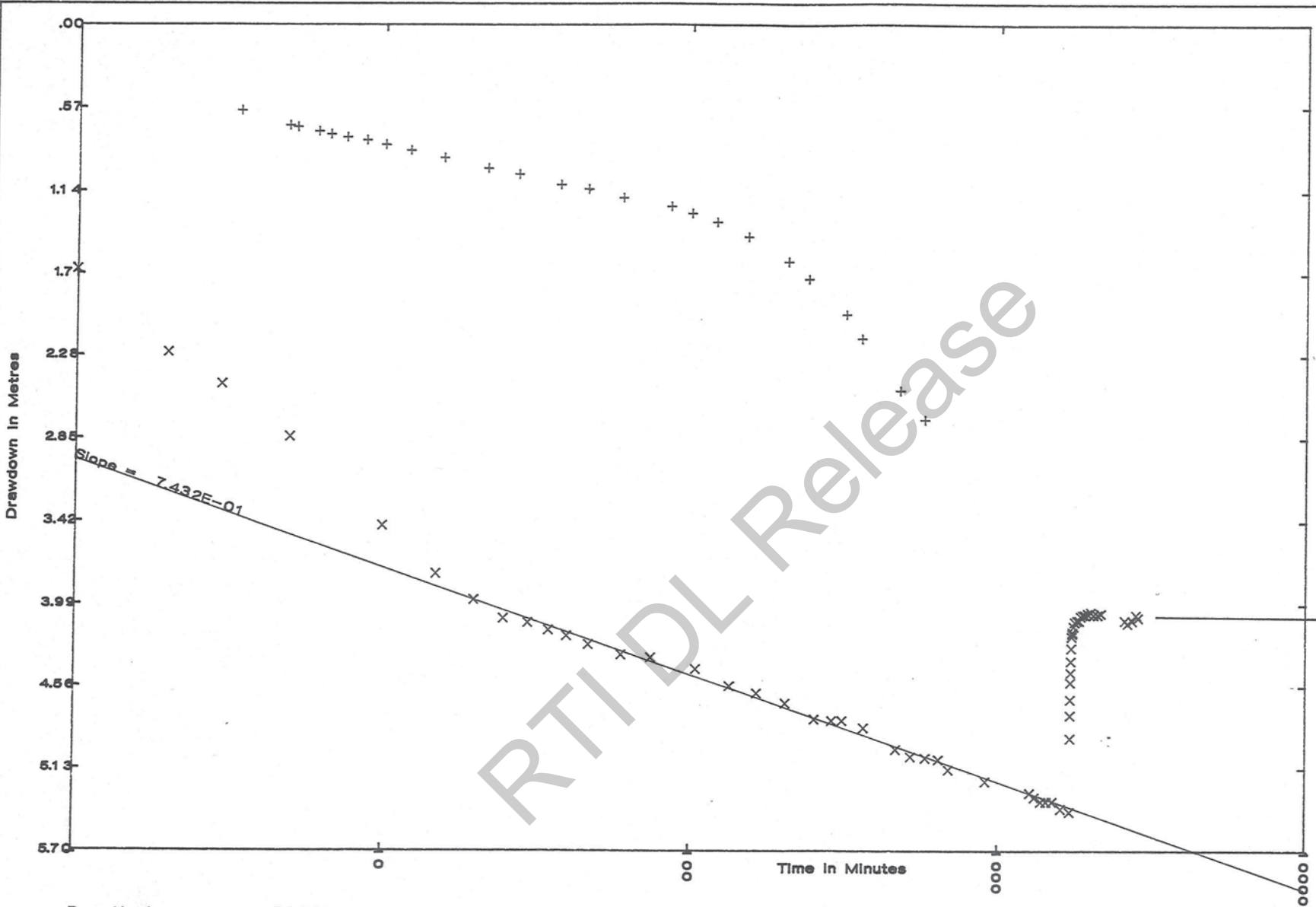
Potable Waters Section Analysis Report

Owner/Address: Qld Tungsten Mail Centre Mt Carbine 4871

	QWRC147174
Copper ($\mu\text{g/L Cu}$)	1
Lead ($\mu\text{g/L Pb}$)	< 2
Cadmium ($\mu\text{g/L Cd}$)	0.1
Nickel ($\mu\text{g/L Ni}$)	< 5
Chromium ($\mu\text{g/L Cr}$)	3
Iron ($\mu\text{g/L Fe}$)	1500
Manganese ($\mu\text{g/L Mn}$)	310
Zinc ($\mu\text{g/L Zn}$)	20
Arsenic ($\mu\text{g/L As}$)	35

Note: Trace metal results are reported in micro-gram per litre.

sch4p4(6) Personal information
..... 06/01/93
For D. W. Connell, Director.



Set Suction 26.00 m
 SWL 7.89 m
 ADD 18.11 m
 Test Rate (Q) 2.4 l/sec
 SV (Max) 2.00 m
 Log t 6.00
 Slope 7.432E-01
 Sw at Log t 7.45 m

Continuous Design Rates

SV	WL	Q
0.0	7.89	5.83
1.0	8.89	5.51
2.5	10.39	5.03
5.0	12.89	4.22

RATE REDUCED
 FROM 1726 minutes
 BORE COMMENCED
 RECOVERY AND
 DRAWDOWN CEASED.

Bore Number 78259
 Pump Test Number 1
 Pump Type mono 620
 Date 10/11/92
 Suction At 26.0
 S.W.L. 7.89
 Available D.D. 18.11
 Final Draw Down 4.08
 Final Pump Rate 2.4 lps
 Duration 2876 mins
 Recovery Time 1132 mins
 Residual D.D. .59
 Remarks

Analysed	WATER RESOURCES COMMISSION	
	MT CARBINE BORE	RunID: 12345
Approved		File No: 2487
		Date: 08/12/92
DRAWDOWN AND RECOVERY CURVES		

QUEENSLAND WATER RESOURCES COMMISSION
Pumping Test Set-up Sheet

BORE DESCRIPTION	Owner <u>QUEENSLAND TOURIST</u>	Registered No. <u>78259</u>
	Address <u>MAIL CENTRE</u>	Name/Site
	<u>MT CARBINK</u>	D.O. File <u>2487</u>
	Testing Officer <u>BIGG</u>	Date <u>10-11-92</u>

CASING DETAILS	Material Description	Diameter	From	Seated
	<u>PVC</u>	<u>125</u> mm	<u>00.00</u> m	<u>28.00</u> m
	..... mm	..... m	..... m	
	..... mm	..... m	..... m	

ENTRY DETAILS	Type of Entry	Aperture	Diameter	Top	Bottom
	<u>SLOTS</u>	<u>3</u> mm	<u>125</u> mm	<u>06.00</u> m	<u>28.00</u> m
	..... mm	..... mm	..... m	..... m	
	..... mm	..... mm	..... m	..... m	
Screen Seal at		Gravel Pack Size to mm			
Bottom Cap?		Hole Diameter			

WATER BED	Aquifer Type	S.W.L.	Date Measured	From	To
	<u>ROCK FRACTURE</u>	<u>7.89</u> m	<u>10-11</u>	..... m	..... m
	..... m	.....	..... m	..... m	
	..... m	.....	..... m	..... m	

PUMP DETAILS	Type <u>mono</u>	Size <u>620</u>	Suction at
--------------	------------------	-----------------	------------------

DRAWDOWNS	Measured by	Airline at	Reference Pt. m (agl)
-----------	-------------------	------------------	----------------------------

RATE MEASUREMENT	Method Used	Sizes(plate/tank)	Period of Measurement

..... to mins

RA1 12 x 215 + pump

15 MINS
12 x 60 TUES NIGHT
24x60 WED MIDNIT
24x60 THURS NIGHT
1440
1440
720
15
361.5
60
727
360

QUEENSLAND WATER RESOURCES COMMISSION

Drawdown Sheet

Sheet No. 1

MEASURED BORE	Owner <u>QUEENSLAND TUNGSTEN</u>	Registered No. <u>78259</u>
	Address <u>MT CARBINE MINE</u>	Site
PUMPED BORE	Owner	Registered No.
	Address	Site
TEST DETAILS	Date Pumping Commenced <u>10-11-92</u> Time <u>10:45</u> am/pm	Test No. <u>1</u>
	Date Pumping Ceased <u>10-11-92</u> Time _____ am/pm	

Are the measurements below for the pumped bore? YES/NO S.W.L. 7.89 m ~~below Ref. Pt.~~

WATCH TIME			ELAPSED TIME mins	DRAWDOWN metres	WATER LEVEL metres	DISCHARGE		REMARKS etc.
Hr	Min	am/pm				mm	m ³ /day	
10	46	AM	1 ✓	168	350		284	WATER
10	47		2	226	365		290	CLEAR
10	48		3 ✓	248	365		290	
10	50		5	284	385		298	
10	55		10 ✓	345	390		300	
11	00		15	378	390		300	290
11	05		20 ✓	396	390		300	
11	10		25 ✓	409	390		300	
11	15		30 ✓	412	385		298	
11	20		35 ✓	417	380		296	
11	25		40 ✓	421	380		296	
11	30		47 ✓	427	375		294	
11	45		60 ✓	434	380		296	
12	00	PM	75 ✓	436	380		296	
12	30		105 ✓	444	375		294	
1	00		135 ✓	456	380		296	
1	30		165 ✓	461	380		296	
2	10		205 ✓	468	375		294	
3	00		255 ✓	479	380		296	290
3	36		291 ✓	480	380		296	
4	00		315 ✓	480	380		296	
4	55		370 ✓	485	375		294	
6	35		470 ✓	500	380		296	
7	36		525 ✓	505	380		296	
8	30		585 ✓	506	380		296	
9	30		645 ✓	507	375		294	
10	20		695 ✓	514	375		294	

QUEENSLAND WATER RESOURCES COMMISSION

Drawdown Sheet

Sheet No. 2

CARBINE 5

MEASURED BORE	Owner	Registered No. 78259
	Address	Site
PUMPED BORE	Owner	Registered No.
	Address	Site
TEST DETAILS	Date Pumping Commenced 10-1-92 Time 10:45 am/pm	Test No.
	Date Pumping Ceased _____ Time _____ am/pm	

Are the measurements below for the pumped bore? YES/NO S.W.L. 7.89 m below G.L. below Ref. Pt.

WATCH TIME			ELAPSED TIME mins	DRAWDOWN metres	WATER LEVEL metres	DISCHARGE		REMARKS etc.
Hr	Min	am/pm				mm	m ³ /day	
1	00	AM	915	5.22	380	296		
6	04	AM	1279	5.30	375	294		
7	50	AM	1325	5.33	375	294		29°
9	55	AM	1390	5.36	370	292		
10	52	AM	1447	5.36	370	292		
12	00	PM	1515	5.36	370	292		
1	40	PM	1615	5.41	370	292		
3	30		1725	5.43	370	292		
3	31		1726	4.92	180	204		SLOWED RATE
3	32		1727	4.76	160	204		
3	33		1728	4.65	185	207		
3	35		1730	4.53	190	210		
3	37		1732	4.46	190	210		
3	40		1735	4.38	190	210		
3	45		1740	4.29	185	207		
3	50		1745	4.21	185	207		
3	55		1750	4.19	185	207		205
4	00		1755	4.18	185	207		
4	15		1770	4.14	185	207		
4	30		1785	4.11	185	207		
5	00		1815	4.10	190	210		
5	30		1845	4.10	190	210		
5	50		1865	4.07	190	210		
6	20		1895	4.06	190	210		
6	50		1925	4.06	190	210		
7	32		1967	4.05	185	207		
8	18		2013	4.04	185	207		
9	00		2055	4.06	190	210		

1
2
3
5
7
10
15
20
25
30
45
60
90
120
140
170
200
242

QUEENSLAND WATER RESOURCES COMMISSION

Recovery Sheet

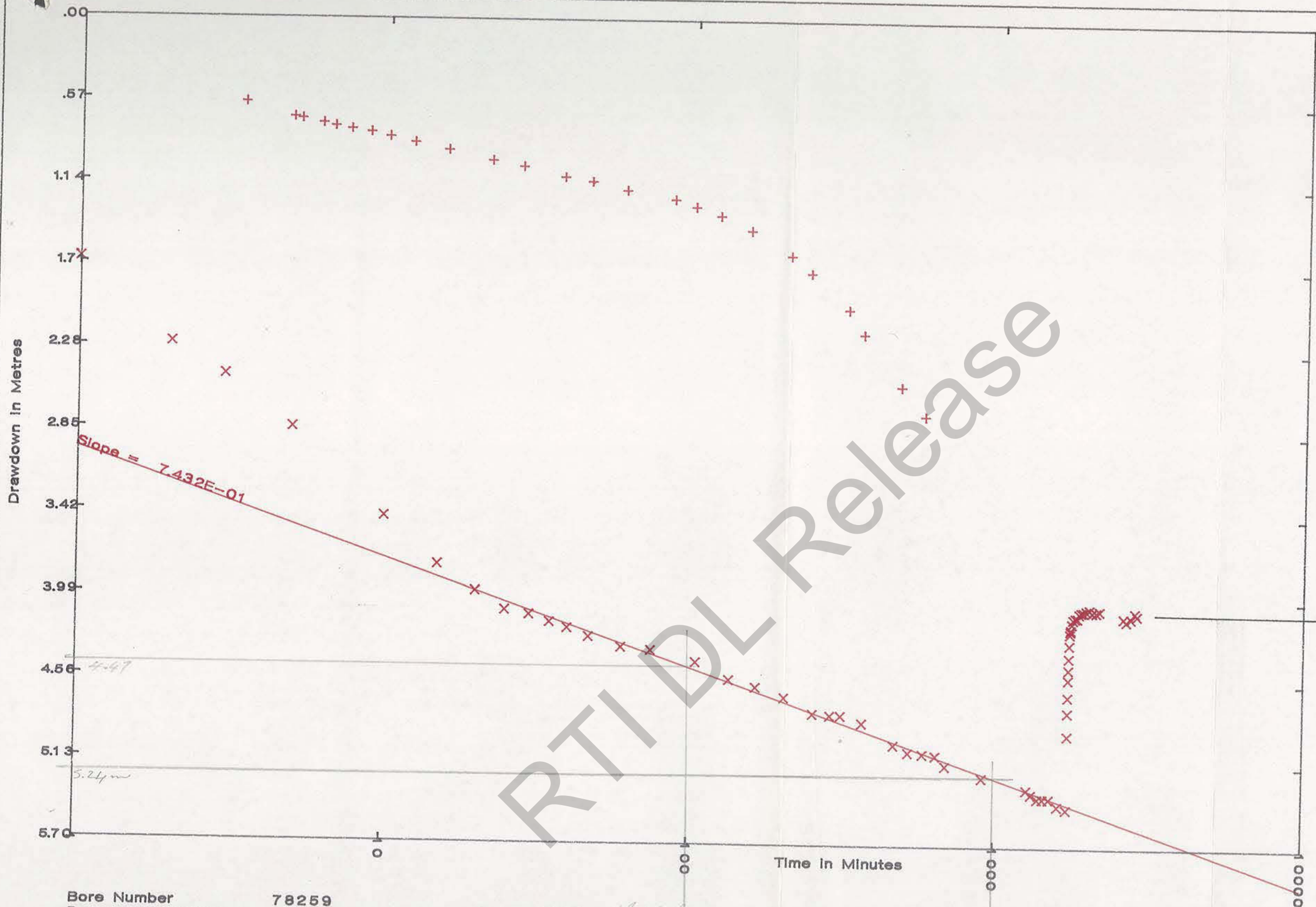
Sheet No. 40

MEASURED BORE	Owner <u>QUEENSLAND TUNGSTEN</u>	Registered No. <u>78259</u>
	Address <u>MT CARBINE</u>	Site
PUMPED BORE	Owner	Registered No.
	Address	Site
TEST DETAILS	Date Pumping Commenced <u>10-11-92</u> Time <u>10:45</u> am/pm	Test No. <u>1</u>
	Date Pumping Ceased _____ Time _____ am/pm	

Are the measurements below for the pumped bore? YES/NO S.W.L. 7.89 Flow 0.1 below Ref. Pt.

WATCH TIME			RECOVERY TIME (t _r) mins	RESIDUAL DRAWDOWN metres	WATER LEVEL metres	ELAPSED TIME (t) mins	t/t _r	REMARKS etc.
Hr	Min	am/pm						
10	46	1	12880	2.72				
10	47	2	22880	2.52				
10	49	4	42880	2.46				
10	50	5	5285	1.99				
10	53	8	82808	1.74				
10	55	10	102890	1.62				
11	00	15	152895	1.45				
11	05	20	202900	1.35				
11	10	25	252905	1.29				
11	15	30	302910	1.24				0
11	30	45	452925	1.18				
11	45	60	602940	1.12				
12	00	PM 75	752955	1.09				
12	30	PM 105	1052985	1.02				
1	00		1353015	0.98				
1	58		1933073	0.91				
3	00		2553135	0.86				
4	00		3153195	0.82				
4	55		3703259	0.79				
6	03		4383318	0.77				
7	10		5053385	0.75				
8	08		5638443	0.73				
10	08	PM	6238503	0.70				
11	00	PM	6753615	0.69				
6	37	AM	11324072	0.59				

60 002



Set Suction	26.00 m
SWL	7.89 m
ADD	18.11 m
Test Rate (Q)	2.40 l/sec
SV (Max)	5.00 m
Log t	6.00
Slope	7.432E-01
Sw at Log t	7.45 m

SV	WL	Q
0.0	7.89	5.83
1.0	8.89	5.51
2.5	10.39	5.03
5.0	12.89	4.22

RATE REDUCED FROM 1726 minutes BORE COMMENCED RECOVERY AND DRAWDOWN CEASED.

Bore Number 78259
 Pump Test Number 1
 Pump Type mono 620
 Date 10/11/92
 Suction At 26.0
 S.W.L 7.89
 Available D.D 18.11
 Final Draw Down 4.08
 Final Pump Rate 2.4 lps
 Duration 2876 mins
 Recovery Time 1132 mins
 Residual D.D. .59
 Remarks

$As = 0.17 \text{ m} / \log \text{ Cycle}$
 $T = \frac{0.185 Q}{As}$
 $= 69.67 \text{ m}^2 / \text{day} / \text{m}$

Location Map

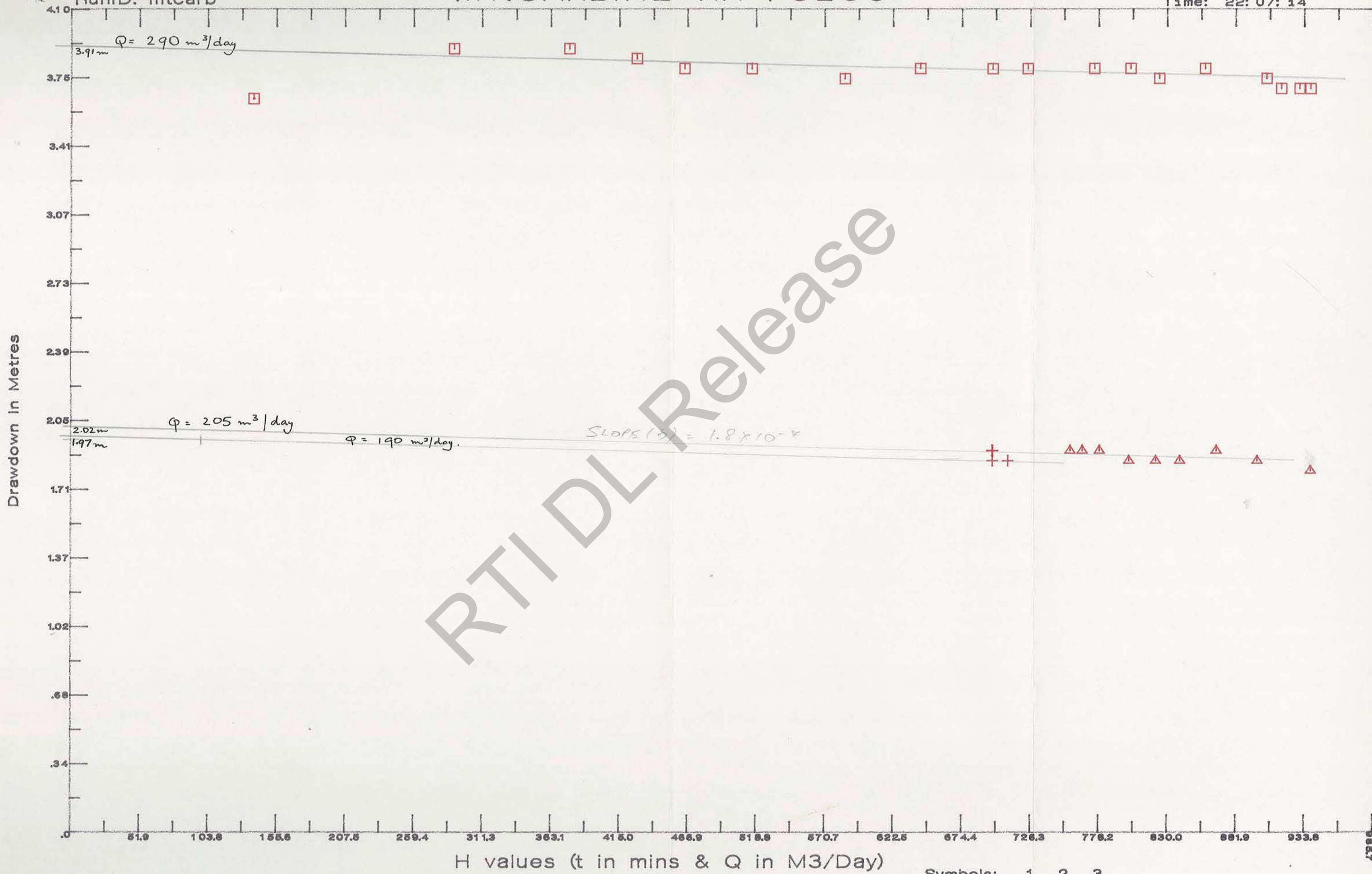
Analysed	WATER RESOURCES COMMISSION	
	MT CARBINE BORE	RunID: 12345
Approved		File No: 2487
		Date: 08/12/92
DRAWDOWN AND RECOVERY CURVES		

MT.CARBINE-RN 78259

Date: 20/12/92

Time: 22:07:14

RunID: mtcarb



PROJECT

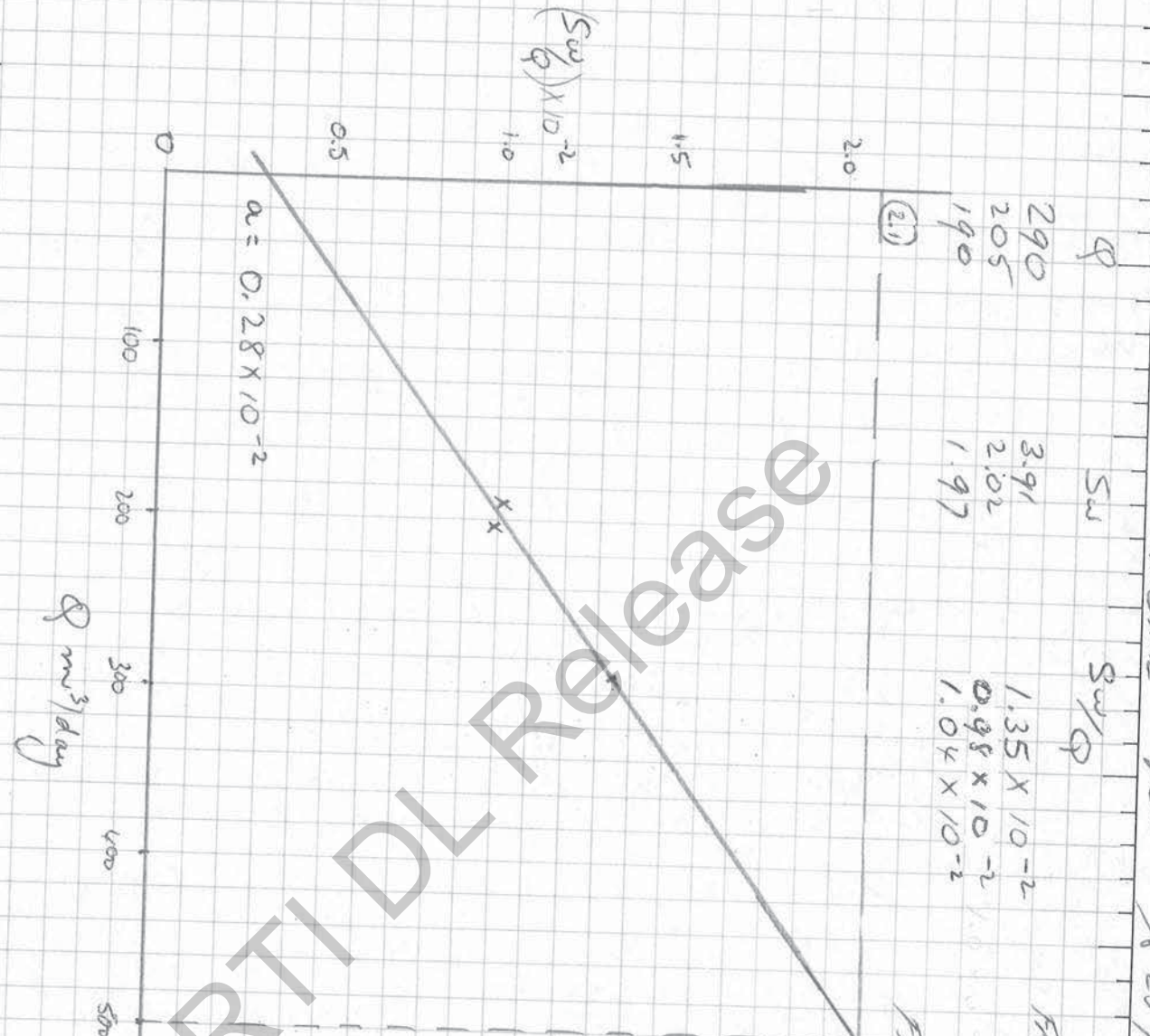
FEATURE

SHEET No. 1 OF 3

DETAIL

MT CARBINE - STAGED
DRAWDOWN TEST

FILE No.



MT CARBINE RW 209

Q	S _w	S _w /ρ
290	3.91	1.35 x 10 ⁻²
205	2.02	0.98 x 10 ⁻²
190	1.97	1.04 x 10 ⁻²

From Hydraulic Plot

Slope (a) = 1.80 x 10⁻⁴

From S_w/ρ vs Q Plot

(a) = 0.28 x 10⁻²

and C = (2.10 - 0.28) x 10⁻² = 500

= 3.6 x 10⁻⁵

Now A = 2 log t (days) x C

= 1.80 x 10⁻⁷ x C

= 1.08 x 10⁻³

DES BY	DATE	CKD BY	DATE
--------	------	--------	------

From page 1

$$b = 1.80 \times 10^{-4}$$

$$a = 0.28 \times 10^{-2}$$

$$c = 3.6 \times 10^{-5}$$

$$A = 1.08 \times 10^{-3}$$

Using the equation to drawdown

$$S_w = Aq + Cq^2$$

at 5 L/s (432 m³/day)

$$\begin{aligned} S_w &= (1.08 \times 10^{-3} \times 432) + (3.6 \times 10^{-5} \times 432 \times 432) \text{ m} \\ &= 0.467 + 6.718 \text{ m} \\ &= 7.185 \text{ m} \quad [\text{Net WL} = S_{wL} + S_w = 15.08 \text{ m}] \end{aligned}$$

at 10 L/s (864 m³/day)

$$\begin{aligned} S_w &= 27.807 \text{ m} \quad [\text{Net WL} = S_{wL} + S_w = 35.70 \text{ m}] \\ [\text{Note: bore is only 36 m deep}] \end{aligned}$$

at 5.78 L/s $S_w = 9.540 \text{ m}$
(500 m³/day)

at 6.94 L/s $S_w = 13.908 \text{ m}$
(600 m³/day)

at 8.10 L/s $S_w = 18.396 \text{ m}$
(700 m³/day)

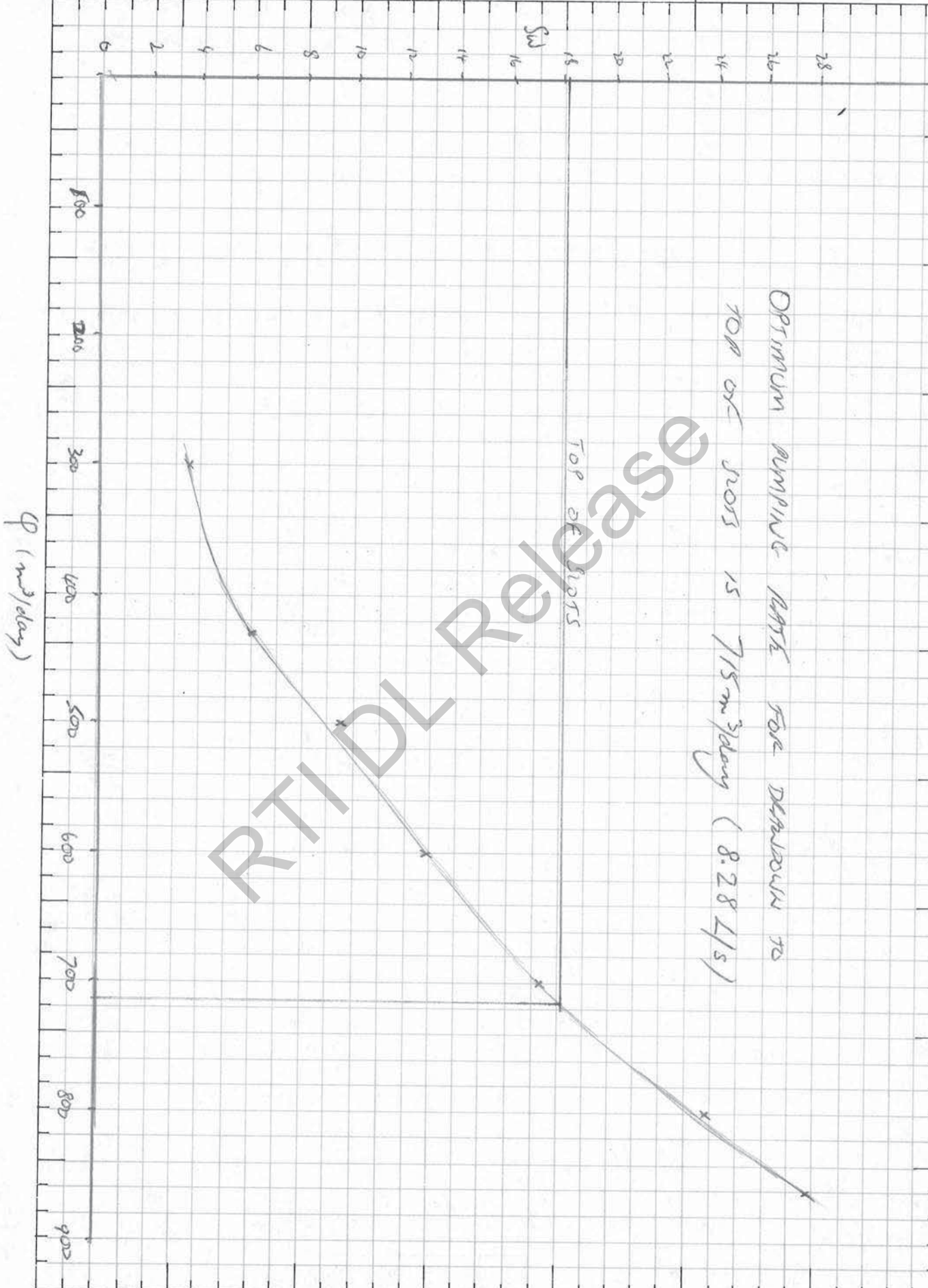
at 9.25 L/s $S_w = 23.904$
(800 m³/day)

DES BY

DATE

CKD BY

DATE



AUSTRALIAN GROUNDWATER CONSULTANTS PTY. LTD.

R.B. MINING PTY. LTD.

MT. CARBINE AREA

GROUNDWATER
INVESTIGATION

By

AUSTRALIAN GROUNDWATER CONSULTANTS P/L

REPORT 518

APRIL 1979

RTI DL Release

AUSTRALIAN GROUNDWATER CONSULTANTS PTY LIMITED

GEOHYDROLOGISTS & ENGINEERS

J. S. HANCOCK, B.Sc., M.Aus.I.M.M.
C. F. FORBES, B.E., A.M.Aus.I.M.M., M.I.E.
W. H. MORTON, Ph.D., A.M.Aus.I.M.M., M.I.E.



SUITE 102, 49 FALCON STREET, CROWS NEST, NEW SOUTH WALES 2065

TELEPHONE: (02) 929 4611

ALSO AT MELBOURNE AND PERTH

CABLES: "SUBAQUA"

WHM:et:518

12th April, 1979.

R.B. Mining Pty. Ltd.,
P.M.B. 13,
CAIRNS,
Q'ld 4870

Attention: Mr. D. Wolff, Mr. P. Llewellyn

Dear Sirs,

Re: Groundwater Investigations, Mt. Carbine Area

Please find enclosed four copies of our report on the Groundwater Investigation of the Mt. Carbine Area.

We consider that groundwater would be available in the Mt. Carbine area to augment the present supply, and that the present supply could be protected by utilisation of the aquifers associated with the Mitchell River.

We thank you for the opportunity to carry out this work and would be happy to discuss the results in detail with you at your convenience.

Yours faithfully,
AUSTRALIAN GROUNDWATER CONSULTANTS PTY LIMITED

s.78B(2)

for
W.H. MORTON
Principal Consultant.

Encls:

R.B. MINING PTY. LTD.MT. CARBINE AREA
GROUNDWATER INVESTIGATION

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FIGURES

1. Locality Plan
2. Electrical Depth Sounding Results
3. Resistivity Traverse Results
4. Sieve Analysis.

Release

CONCLUSIONS

An initial groundwater investigation has been carried out by Australian Groundwater Consultants Pty. Ltd. in the vicinity of Mt. Carbine in northern Queensland with a view to augmenting and protecting the existing surface water supply.

The investigation consisted of a hydrogeologic reconnaissance, a review of existing data, and electrical resistivity testing of potential aquifers.

Two potential aquifers exist close to the mine area; these are:-

- the sand and gravel alluvium associated with Manganese Creek, and
- the fractured weathered rocks beneath the plain area south of the township.

The alluvial aquifer associated with Manganese Creek has the capability of supplying the required additional supply of 3.8 L/sec (3000 g.p.h.) of potable quality water. The capability of the fractured rock aquifer is not known, but could provide additional storage capacity.

In addition, the alluvium associated with the Mitchell River is an aquifer capable of being utilised to ensure that the existing water supply from this area can be maintained during periods of low river flow.

RECOMMENDATIONS

It is recommended that a bore be constructed in the alluvium of Manganese Creek on the eastern side of the creek and upstream of the dam.

This bore should be constructed with 150mm casing and should be drilled through the alluvium (depth approximately 11 metres) into the underlying rock to a minimum depth of 20 metres. The final casing string should include a wire wound screen (aperture size approximately 1mm) set opposite the alluvial material with either an open hole or slotted casing in the underlying rock. The bore should be protected at the surface against flooding.

It is also recommended that screened test bores be constructed in the plain area at the marked site south-east of the township and in the Mitchell River alluvium near the existing fuel tank. The depth of these holes should be approximately 45 metres.

All the bores should be pump tested and measurements of water level drawdown and recovery made so that aquifer parameters can be calculated and long term bore yields determined. Water samples should be collected and analysed.

R.B. MINING PTY. LTD.MT. CARBINE AREA
GROUNDWATER INVESTIGATION1. INTRODUCTION

In their letter of 2nd January, 1979, R.B. Mining Pty. Ltd. requested Australian Groundwater Consultants Pty. Ltd. to undertake a groundwater investigation of the area around the Mt. Carbine wolfram mine in northern Queensland.

The objective of the investigation was to determine whether groundwater could be available to augment the existing water supply scheme, which consists of pumping from the Mitchell River, 6 kilometres south of the mine.

The present water requirement is approximately 30 L/Sec (24,000 g.p.h.); the additional requirement to cater for expansion is approximately 3.8 L/sec (3000 g.p.h.).

The groundwater investigation consisted of a review of existing data and a field survey, including geophysical work, carried out between March 27th and 31st, 1979.

This report presents the results of the investigation and gives recommendations as to how the existing supply could be augmented and protected.

2. LOCATION & PHYSIOGRAPHY

Mt. Carbine is located approximately 27 kilometres west-south-west of the coastal town of Mossman in northern Queensland. The township of Mt. Carbine is on the Mulligan Highway between Mareeba and Cooktown.

Mt. Carbine is situated at the south-western foot of the Great Dividing Range which rises to an elevation in excess of 1200 metres above sea level. The elevation of the township is approximately 350 metres.

Topography in the areas of higher elevation is rugged but south of the township there is a relatively flat, and in places swampy, south-east trending plain approximately 3 kilometres wide.

Surface runoff from the Great Dividing Range behind Mt. Carbine drains to the south-west, and locally drains into Manganese Creek which divides the mine and camp area (Figure 1). Manganese Creek then flows southwards for 5 kilometres across the plain and into a narrow gorge between Mt. Alto and Little Alto. On emerging from this gorge the Creek flows into the north-westerly flowing Mitchell River.

Manganese and other creeks in the area are intermittent and only flow during, and for several months after, the wet season. The Mitchell River usually flows throughout the year but the flow is comparatively small towards the end of the dry season.

3. CLIMATE

The climate is sub-tropical with distinct wet and dry seasons; the wet season occurs over the period from November to March.

No published rainfall records are available for Mt. Carbine. The average annual rainfall at Mareeba to the south is approximately 900mm and that at Mossman on the coast is approximately 2300mm; the average annual rainfall at Mt. Carbine is probably in the order of 1500mm.

Average pan evaporation is in the order of 1500mm per year.

4. HYDROGEOLOGY

4.1 Geology

The main rock types in the area are the Devonian to Carboniferous siltstones and slates of the Hodgkinson Formation. These have been intruded by the Mareeba Granite.

The resistant granite forms the topographic highs such as the Dividing Range and Mount and Little Alto whereas the valley floors are generally underlain by the less resistant siltstones and slates.

More recent deposits consist of soil and alluvial sands and gravels associated with the creeks and rivers.

The sands and gravels in the bed of Manganese Creek have been derived from granite rocks in the catchment area and comprise mainly angular to sub-angular quartz and feldspar grains. A sieve analysis was carried out on these sands (Fig 4) and the results indicate a reasonable degree of sorting and permeability. The thickness of the sands near the dam by the old mill is reported to be 11 metres. Similar sands and gravels are associated with the Mitchell River.

4.2 Groundwater Occurrence

Groundwater in the area occurs both in the unconsolidated alluvial sands and within the consolidated rocks.

In the past, shallow wells have been dug in the alluvial sands of Manganese Creek to supply the township and mills. The success of these wells has been variable with some apparently performing satisfactory and others drying up towards the end of the dry season. The depth of these wells is not known but, it is doubtful whether they penetrated the complete depth of alluvium.

A more recent well exists in the sands near the camp which has been used for camp purposes. The depth of this well was measured at 6m with a static water level of 4.6m; the amount of silt in this well is not known.

No analyses of the water from the sands were carried out, but the water would appear to be suitable for human consumption.

Groundwater within the consolidated rocks occurs within faults and fractures in these rocks. Two bores have been drilled within the siltstones south of the Mulligan highway; one behind the hotel and the other near the northern end of traverse T1 (Fig 1). Both these bores reportedly struck water at depths of about 33 metres but their yield has not been tested.

Water quality from the fractured rocks is variable and reported to be from fresh to brackish.

It is possible that in later years, when the mine pit extends below the general water table, some inflow to the pit could be expected through any open fractures and joints, especially considering the close proximity of the mine to Manganese Creek.

5. INVESTIGATION PROCEDURES & RESULTS

5.1 General Philosophy

In order to ensure any groundwater extraction system is viable and reliable:

- the bore or well and, therefore, the aquifer should be capable of yielding sufficient quantities of water in comparison to the required yield,
- the aquifer should receive adequate groundwater recharge to at least balance the extracted water, and
- there should be sufficient groundwater in storage to maintain the supply between periods of recharge.

The largest catchment area close to the mine and, therefore, the area of potentially greatest groundwater recharge is that of Manganese Creek. No other areas close to the mine have sufficient catchment area to reliably yield more than small quantities of water in the long term. Investigations close to the mine, therefore, concentrated initially on the Manganese Creek area.

In order to locate suitable aquifers and determine the extent of these aquifers, electrical resistivity methods were employed after an initial hydrogeologic reconnaissance.

5.2 Resistivity Techniques

The resistivity technique consists basically of transmitting a direct electrical current into the ground via two electrodes and measuring the voltage received between two other electrodes; in this way the resistivity of the ground can be calculated.

Depending on the electrode arrays used, depth sounding or traversing can be accomplished. Depth sounding measures vertical changes in resistivity and depths beneath one point. Traversing detects lateral changes in resistivity along the line traversed, such as may occur over buried river channels or fracture zones.

The results obtained are then correlated with known hydrogeologic conditions in the particular area investigated, or, if such data are scarce or absent, compared with results from similar areas.

In this investigation 21 depth soundings and two traverses were carried out. The location of the work performed is shown in Figure 1.

5.3 Resistivity Results

5.3.1 General

The interpreted depth sounding results are presented in graphic form in Figure 2 together with the most likely geologic interpretation. The traverse results are presented in Figure 3.

The depth sounding results generally show a three layered sequence with:-

- a thin near surface layer up to 5 metres thick of generally high resistivity material representing unsaturated soil and sand, overlying
- an intermediate layer of variable resistivity representing saturated alluvium and/or weathered rock, overlying
- a very high resistivity electrical bedrock representing granite or tight dry siltstone or slates.

Depending on the resistivity, the intermediate layer representing saturated alluvium and/or fractured weathered rock is the potential aquifer. Where the resistivity of this material is less than about 20 ohm-metres, the material is probably too clayey to yield significant quantities of water, but where the resistivity is higher, then potential does exist for high yielding bores.

The greatest thickness and highest resistivity of the intermediate layer occurs, as expected, beneath the Mitchell River. In this case the intermediate layer represents saturated alluvial material.

5.3.2 Township Area

Figure 2A shows the interpreted geoelectrical section along Manganese Creek through the Mt. Carbine area.

The intermediate layer attains greatest thickness and resistivity near the existing dam. The intermediate layer in this area probably represents saturated alluvium to a depth of 11 metres and fractured weathered rock of similar porosity to the alluvium from 11 to 20 metres.

A short traverse (Traverse T2, Figure 3) was carried out across the Manganese Creek valley upstream of the dam. The results indicate that the greater depth of alluvium occurs on the eastern side of the creek.

A bore (or bores) in this area would be capable of yielding the required 3.8 L/sec (3000 g.p.h.) from the alluvium with some contribution from the underlying weathered rock. Depending on drilling results the bore could be constructed using a wire wound screen (aperture size approximately 1.0mm) set opposite the alluvial material with an open hole or slotted casing in the underlying rock. The bore should be protected and sealed at the surface to keep out flood waters. Use of 150mm casing would be more than adequate to accept any pump capable of pumping the required yield.

Recharge to the groundwater system would be more than sufficient to balance the required yield which represents less than 0.5% of the rainfall falling on the catchment area.

Storage of groundwater in the alluvial sediments is limited in this area but sufficient available storage would be available to meet requirements for approximately 250 days after recharge events. This does not take into account any additional storage or underflow from the surrounding rock areas.

5.3.3 Plain Area

The geoelectric section across the plain from Mt. Carbine to the Mitchell River is shown in Figure 2B. This section shows that most of the area is underlain by clayey weathered rock or alluvium with the exception of the Mitchell River area and the northernmost area.

In the northern area there is a section of significantly deeper electrical bedrock. A bore was drilled close to Depth Sounding #1 and struck water at 33 metres, but little is known regarding the nature of the aquifer intersected or the yield obtainable.

Immediately south of the area of deeper bedrock there is evidence of an old buried channel of the Manganese Creek which is reflected in the resistivity results by high resistivities down to about 10 metres depth.

A traverse was completed over the northern area and the results reflect the change in depth of electrical bedrock and the presence of the shallow channel (Traverse T1, Fig 3).

It is recommended that a test hole be drilled at the indicated site to determine the nature and yield of any aquifer in this area. The advantage of locating a deep aquifer in this area would mean that there would be a large amount of commandable storage available to maintain supply during drought periods.

5.3.4 Mitchell River

The thickness of alluvial material beneath the Mitchell River area near the existing fuel tank is approximately 43 metres (Depth Sounding #17). This thickness rapidly decreases northwards (Depth Sounding #18).

The alluvium probably consists of an alternating sequence of sands, gravels and clays which would be in direct hydraulic connection to the river. Pumping from any bore in the alluvium would, therefore, be similar to indirect pumping from the river but with the added advantages of commanding a reserve of groundwater stored within the alluvium and intercepting groundwater underflow, which would still persist even in periods of low river flow.

Another advantage to a bore intake scheme over the existing surface intake would be that properly constructed and protected bores would be less susceptible to damage during floods.

Consideration should be given to testing the Mitchell River alluvium in the vicinity of Depth Sounding #17 to obtain hydraulic parameters, with a view of eventually protecting the main water supply by converting to a bore intake scheme.

6. CONCLUSIONS

An initial groundwater investigation has been carried out by Australian Groundwater Consultants Pty. Ltd. in the vicinity of Mt. Carbine in northern Queensland with a view to augmenting and protecting the existing surface water supply.

The investigation consisted of a hydrogeologic reconnaissance, a review of existing data, and electrical resistivity testing of potential aquifers.

Two potential aquifers exist close to the mine area; these are:-

- the sand and gravel alluvium associated with Manganese Creek, and
- the fractured weathered rocks beneath the plain area south of the township.

The alluvial aquifer associated with Manganese Creek has the capability of supplying the required additional supply of 3.8 L/sec (3000 g.p.h.) of potable quality water. The capability of the fractured rock aquifer is not known, but could provide additional storage capacity.

In addition, the alluvium associated with the Mitchell River is an aquifer capable of being utilised to ensure that the existing water supply from this area can be maintained during periods of low river flow.

7. RECOMMENDATIONS

It is recommended that a bore be constructed in the alluvium of Manganese Creek on the eastern side of the creek and upstream of the dam.

This bore should be constructed with 150mm casing and should be drilled through the alluvium (depth approximately 11 metres) into the underlying rock to a minimum depth of 20 metres. The final casing string should include a wire wound screen (aperture size approximately 1mm) set opposite the alluvial material with either an open hole or slotted casing in the underlying rock. The bore should be protected at the surface against flooding.

It is also recommended that screened test bores be constructed in the plain area at the marked site south-east of the township and in the Mitchell River alluvium near the existing fuel tank. The depth of these holes should be approximately 45 metres.

All the bores should be pump tested and measurements of water level drawdown and recovery made so that aquifer parameters can be calculated and long term bore yields determined. Water samples should be collected and analysed.

Fig. 2A

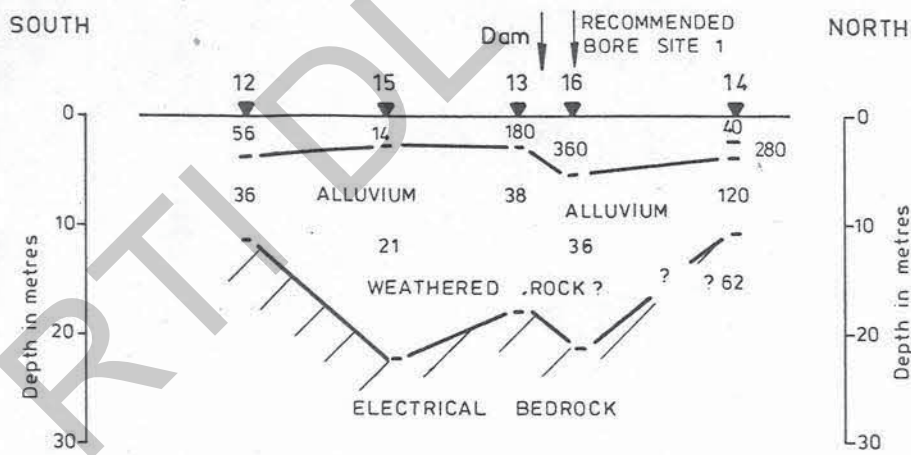
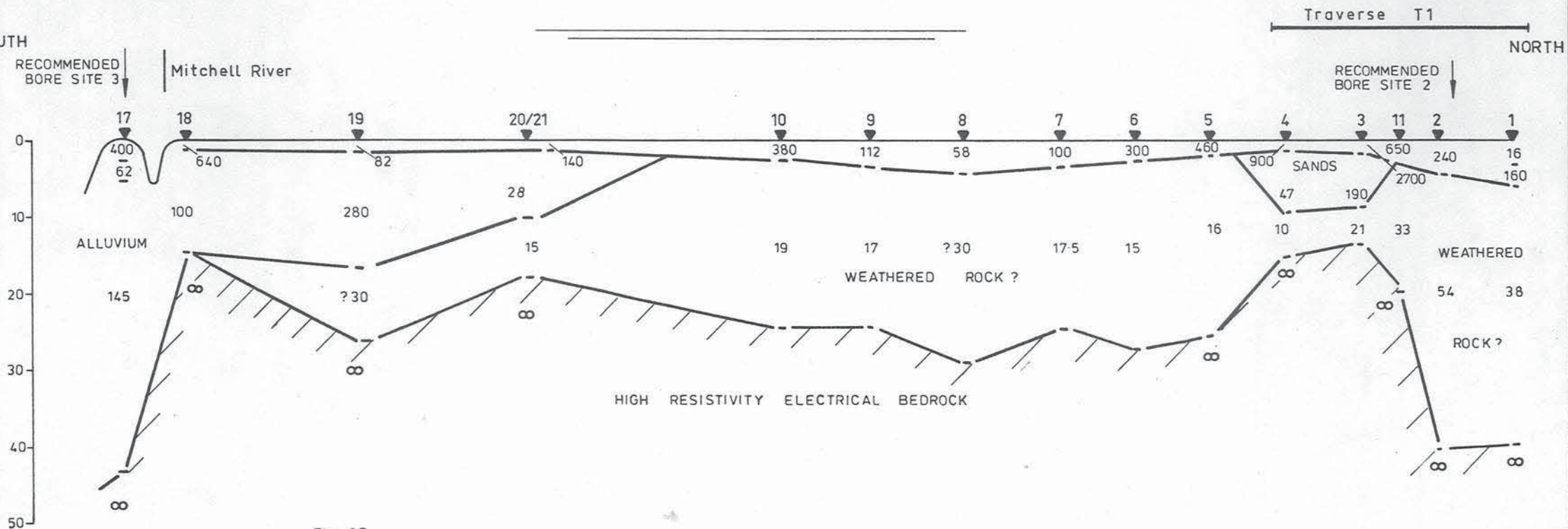
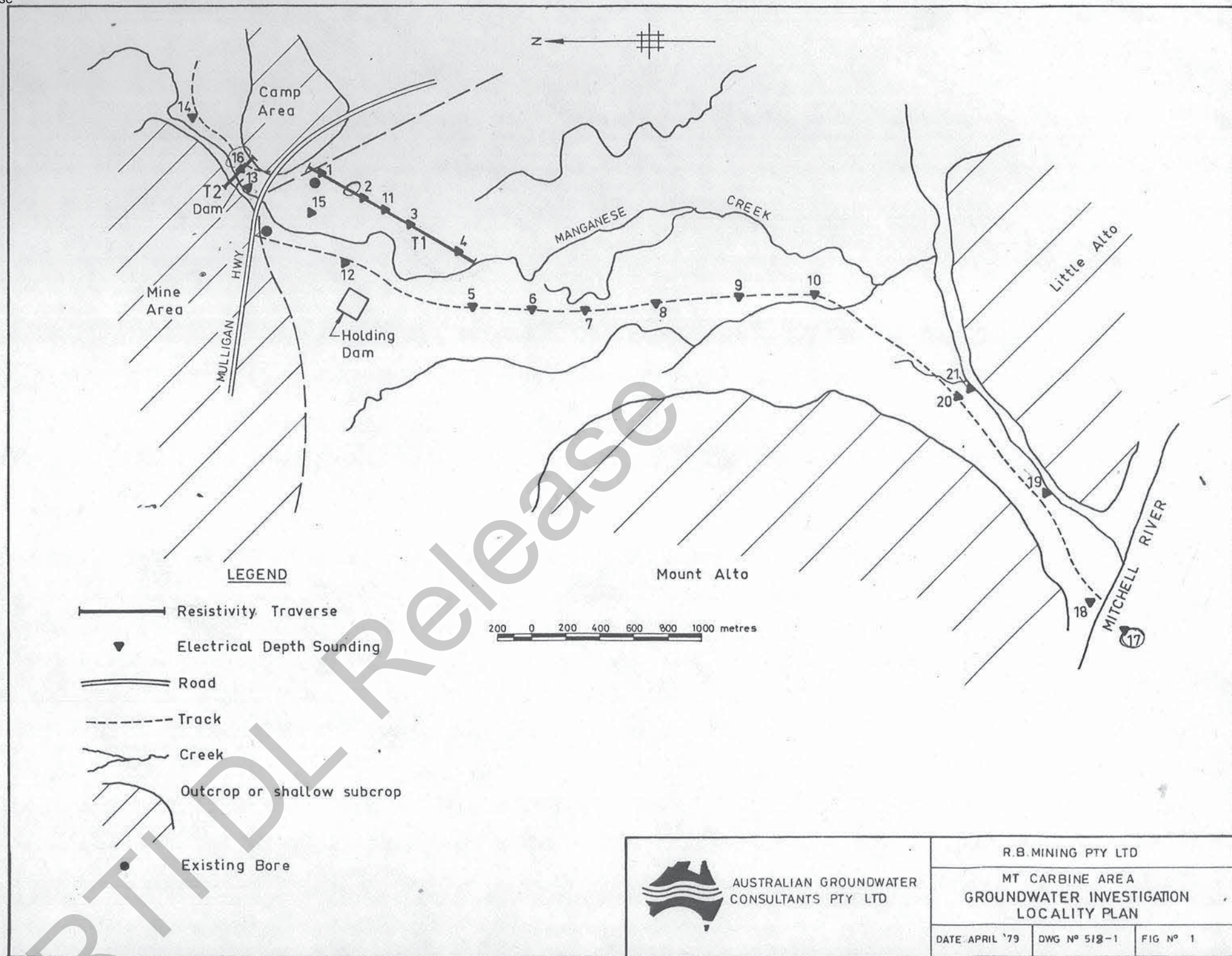
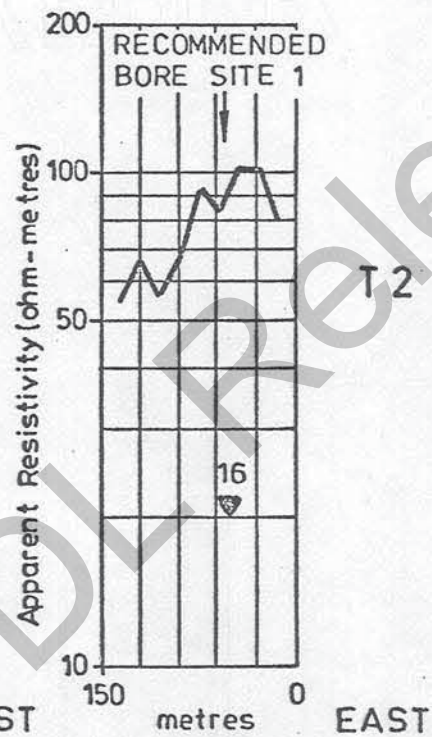
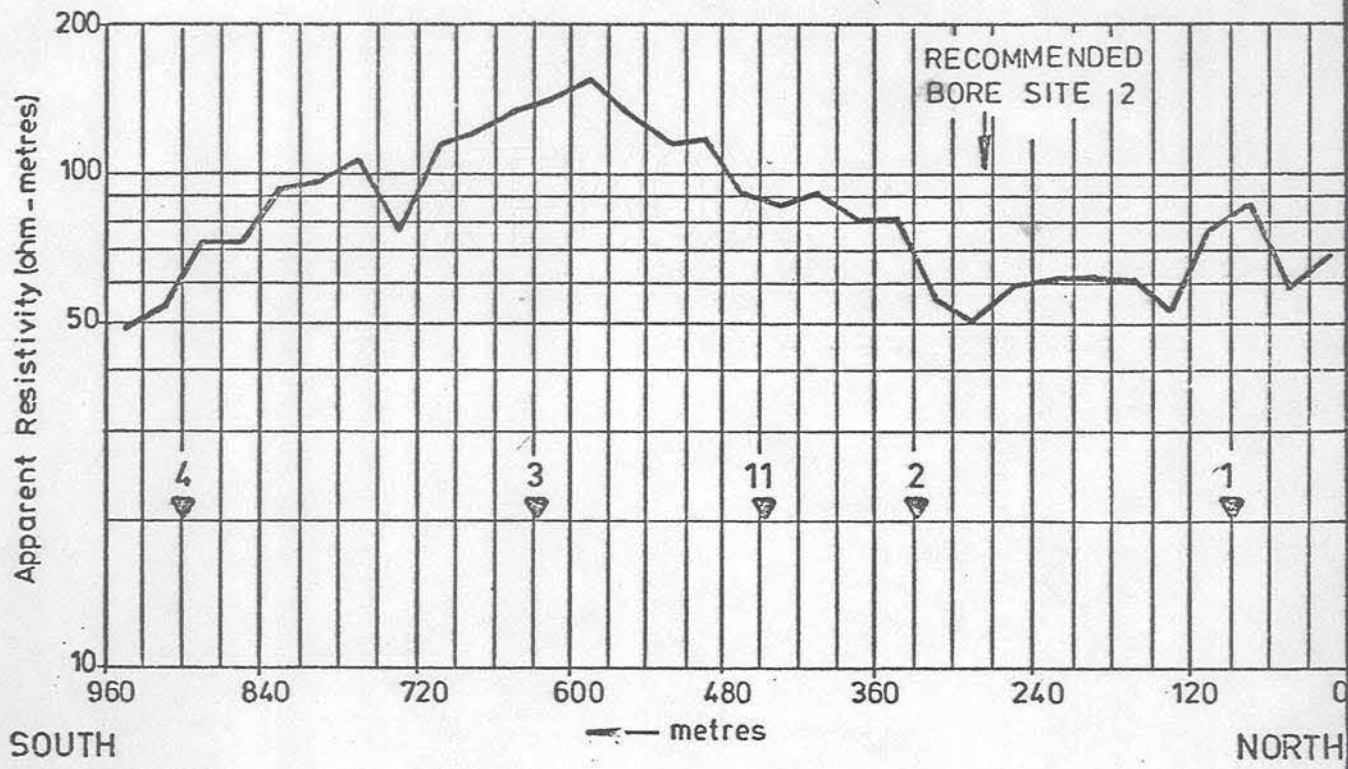


Fig. 2B







AUSTRALIAN GROUNDWATER CONSULTANTS PTY LTD

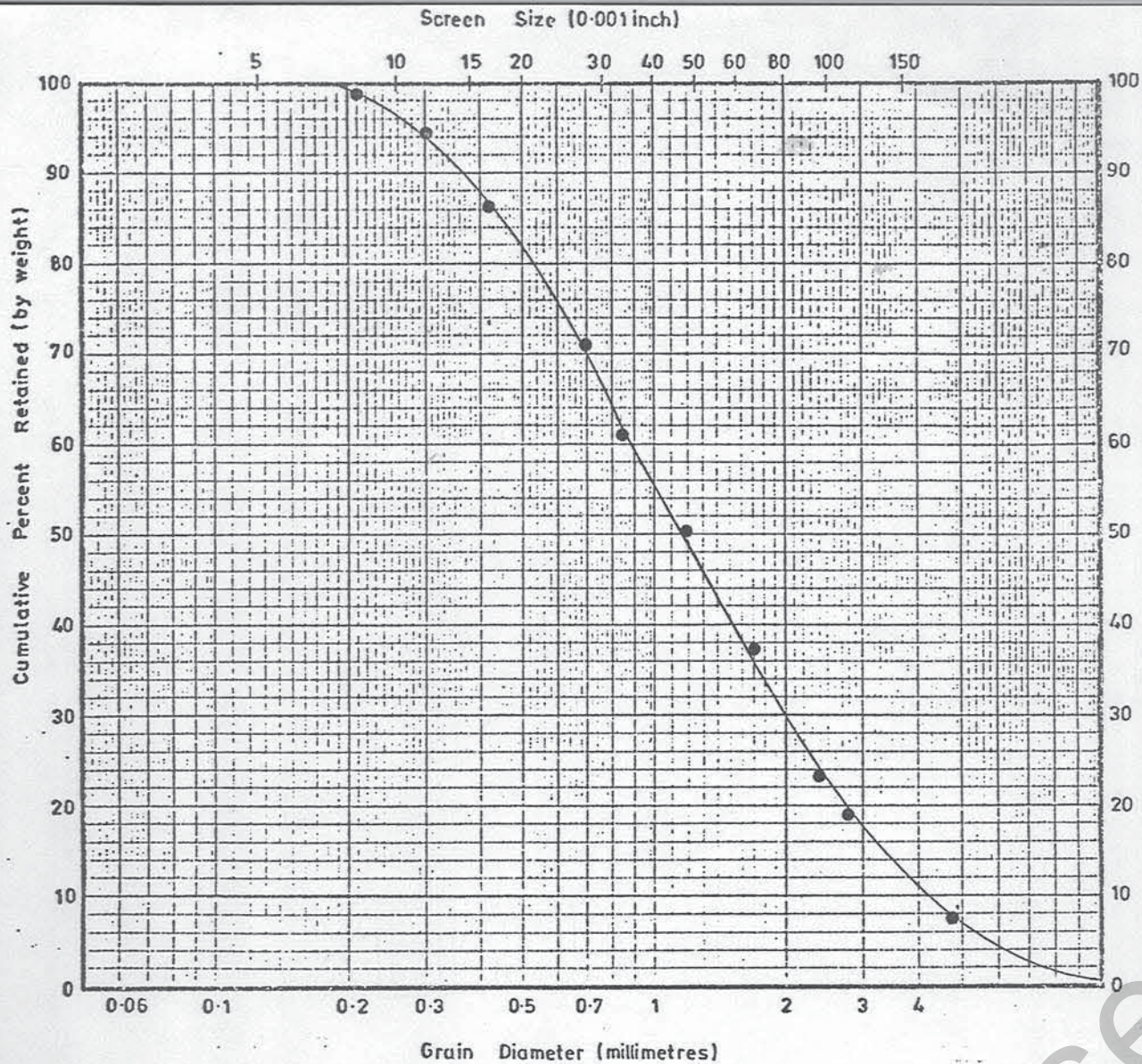
R.B. MINING PTY LTD

MT CARBINE AREA
GROUNDWATER INVESTIGATION
RESISTIVITY TRAVERSE RESULTS

DATE: APRIL 79

DWG N° 518-3


FIG N° 3



silt	fine sand		medium sand		coarse sand		gravel	BRITISH STANDARD CLASSIFICATION
silt	very fine sand	fine sand	medium sand	coarse sand	very coarse sand	pebbles	WENTWORTH CLASSIFICATION	

uniformity coefficient, $C_u = \frac{40\% \text{ retained size}}{90\% \text{ retained size}}$. effective size, $S_e = 90\% \text{ retained size}$

Notes: Manganese Creek alluvium, opposite old mill

 AUSTRALIAN GROUNDWATER CONSULTANTS PTY LTD	R.B. MINING PTY LTD		
	MT CARBINE AREA GROUNDWATER INVESTIGATION SIEVE ANALYSIS		
	DATE: APRIL 79	DWG N° 518 -4	FIG N° 4

EXPIRY NOTICE - WATERWORKS LICENCE

To the Licensee/s
You are advised that your licence expires on the date shown hereunder. If application for renewal is not received by that date the licence will lapse and an application for new licence for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

WATER RESOURCES COMMISSION
MAREEBA REGIONAL OFFICE
02 SEP 1992
DOC. No.
FILE 3668 REFER *CV*

Please indicate any change of ownership or address

QUEENSLAND WOLFRAM PTY LTD
PMB 13
CAIRNS QLD 4870

LICENCE DETAILS

Licence Number A 46690 Expiry Date 30/9/1992 File Number 3668

Description of Works
150 MILLIMETRE CENTRIFUGAL PUMP CAPABLE OF PUMPING A MAXIMUM OF ___ LITRES PER SECOND AGAINST ___ METRES HEAD.
MOTOR TYPE : *Diesel* PUMP MAKE : *IEL*
MOTOR MAKE : *GM* PUMP MODEL :
MOTOR MODEL : *671* PUMP YR :
MOTOR YR : *circa 1945* PUMP R.P.M. : *1800*
POWER : *KW*

LOCATION OF WORKS Description ML2558 (MAREEBA) County DAGMAR
Parish MAPPE
TO SUPPLY Description ML2558 (MAREEBA) County DAGMAR
Parish MAPPE
Name of Watercourse MITCHELL RIVER

PURPOSE OF WORKS MINING
Nom. Alloc. : 0 ML

Input for

APPLICATION FOR RENEWAL /REQUEST FOR CANCELLATION *

Is renewal of Licence required? YES NO
(If NO, give reason)

* Cancellation :- On surrender of a Licence the Commissioner may require the licensee to remove all works constructed or used under the authority of the Licence.

Are works installed at present? YES NO
(If NO, give reason)

For Office Use Only

RENEW TO
<i>30 9 '96</i>
REG. YES / NO
MET. YES / NO
ha.
ML.

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS :

Please advise of any changes to details listed above.

Crops to be irrigated in any one growing season.

CROPS	AREA (ha)	METHOD
<i>Nil</i>		

TERMS

Key Cl.

APPROVED
RENEWED

Signature *Raynell Wolff* Date *26-8-92*

WL008

LICENSING REFORM - WATER RESOURCE AUDITS

Dear Licensee,

The Commission is presently reviewing all of its waterworks licensing functions with the view to improving their efficiency and effectiveness. There are significant State Government costs associated with the administration and licensing of the large number of waterworks across the state. In these tight economic times all Queenslanders are wanting value for their tax dollar. Therefore a review of this department's licensing procedures is important.

In order to do this review without the need for additional staff and resources it has been decided to temporarily defer the normal renewal process for existing bore and pump licences (which represent the bulk of our licences). This will give the Commission some "breathing space" to develop a better system for renewals and then be able to renew the deferred applications under the new system. At this stage it is expected that all licences will be on a new system by 1996.

YOU WILL NOT BE DISADVANTAGED BY THIS TEMPORARY DEFERRAL ARRANGEMENTS.

Please complete and return the attached expiry notice/s to this office to the address as soon as possible.


The Commission will process your application at the time it reviews licences in your catchment. Your current licence will remain in force until a decision is made on the application, regardless of the expiry date shown. Exactly when the application will be processed will depend on how quickly the new system is developed and when your catchment or aquifer is programmed for appraisal. In any event, it is expected that all catchments in the District will be finalised by 1996.

Should you have any query please contact this office.

sch4p4(6) Personal information

DISTRICT MANAGER
MAREEBA DISTRICT

0410-027.MRW

 **Water
Resources**

MISC Doc - No 1880 RW 78259

G & L WESTERBERG

PO Box 72, Mt. Molloy, Q 4871
DRILLING LOG FOR BORE

WATER RESOURCES COMMISSION
MAREEBA REGIONAL OFFICE
26 MAY 1992
DOC. No. 1638
FILE 13/5/92

BORE NO. 208	BORE LIC. Domestic	LICENCEE Gld Tungsten 2487	U6	R
COMMENCED 6-5-92	DRILLER G. Westerberg	ADDRESS c/- Mail Centre Mt Carbine		
COMPLETED 7-5-92	LIC.NO. 2158	PROP. DESC. ML 4867 Mt Carbine		
TOT. DEPTH 38 m				

STRATA DETAILS

	Metres		Water Bed *
	From	To	
Loam	0	2.3	
Alluvium	2.3	9.6	
Altered Granite	9.6	11.5	
Fracture	11.5	11.7	
Altered Granite	11.7	16	
Fracture	16	16.2	*
Fract Granite	16.2	30.4	*
Fracture	30.4	31	*
Altered Granite	31	32.1	*
Fracture	32.1	32.2	*
Altered Granite	32.2	34.4	*
Fracture	34.4	34.5	*
Altered Granite	34.5	36.2	*
Granite	36.2	38	*

CASING DETAILS

BIT SIZE mm	Length metres	Size ID mm	PVC/Steel	Class	Location Metres	
					From	To
240	6	200	PVC	9	0	9.5
190	6	125	PVC	12	0	38

METHOD OF SUSPENSION
Seated on bottom

SLOTS PERFORATIONS MM	LOCATION METRES	
	FROM	TO
3 x 100	26	38

GRAVELPACK DETAILS
10 mm Gravel

12.3
7.65
12.5
3.63

SITE MAP (Not to scale)

REGISTRATION
 LICENSE
 CASING
 STRATIGRAPHY
 WATER BED
 PUMP TEST
 ELEVATION
 WATER ANALYSIS
 WATER LEVEL

WATER LIFT DETAILS

Flow Air Lift	Standing Water Level
7000 GPH	6.9 m

REMARKS

s.78B(2)
Signature of Driller

s.78B(2)
Signature of Licencee

5500

File 2487

WATER RESOURCES COMMISSION
 WAIVER
 REGIONAL OFFICE
 12 NOV 1990
 DOC. NO.

FILE	REFER
54-001	5500 FILE R

 40-008

The Cairns Post, Friday, October 12, 1990

FOR SALE BY PUBLIC TENDER

MT. CARBINE TUNGSTEN MINING OPERATION

(Located 140 kilometres from Cairns on the bitumen Mulligan Highway to Cooktown)

Tenders are hereby called for the purchase of Queensland Tungsten Limited's Mount Carbine Mining Operation.

Offers will be considered for the whole of the assets on a walk-in-walk-out basis or FOR ANY PART THEREOF.

TWELVE MINING LEASES - said to contain about 7 million tonnes TUNGSTEN ORES of Head Grade approx. 0.123% W.O₂ plus 1 1/2 million tonnes of tailings (sand), 3 million tonnes ore sorter rejects (rock minus 200mm) and 10 million tonnes mine waste (rock up to 3m) as QUARRY material.

UNDERGROUND MINING EQUIPMENT - Two Haggloaders (10HR), Promec T Utility, Wagner ST5-A Scooptram, Wagner Ore Carrier, Vent Systems, Dewatering Pumps & Piping, FOX rock transportation system including development conveyor gallery + monorail, conveyor storage gallery, over 1000 metres 750mm gallery modular conveyor system and transfer stations and spares, rock drilling equipment including new compressors (Atlas Copco), GAR 73A, 15.20 GR, Panther & Falcon Rock Drills, Jack Hammer, Air Receiver, Drill Consumables, including 43 rods and 96 button bits for Simba 263, spares etc. etc.

CRUSHING & ORE TREATMENT - 150 tonne concrete dump hopper, Nico Model FD4 apron feeder, Allis Chalmers XXH screen, Jaques Traylor double toggle 1219 x 1067 Type H crusher, 20 tonne OH crane, Allis Chalmers XH Rippl-flo screen, various conveyors, Allis Chalmers Model SH Rippl-flo screens, dewatering screens, 50 tonne surge bins, post vibrating feeders, Model 16 photo-metric sorters, Broomwade EH 600 compressors, Jaques 3 ft. HTX Gyrocone Crusher, Jaques 35 Gyrocone Crusher, Hadfield 760 x 915 double toggle Jaw Crusher, Austral Otis 3.7 x 760 pan feeder, Jaques 1118 x 4.267 vibrating pan feeder, Paramount 1.0 x 2.5 feeder, Warman Model 3 Gravity Feeders, 5 deck Jig Screen Sizer, 8 Inverell Jigs, Holman, Wilfley & Curvilinear shaking tables, 1600 x 1345 rubber lined ball mill, Warman, Akins design 915mm dewatering classifiers, Marcy design 1.829 x 3.657 rod mill, Hunter 1220 x 460 wedge wire screens, 6-cell 1060 x 1060 Inverell Jigs, Reichert twine-start spirals, bucket elevators, Moirgenson sizer, 430 x 200 Rolls Crusher, Wilfley flotation tables, 813 x 6.6 Rotary Dryer, Locker Model 24 Rotex Multideck Screen, Rapids Models VOG & OG Magnetic high intensity disc separators, 670 x 8.8 rotary kiln, Deister & Wilfley scheelite tables, 550 x 6.0 Scheelite rotary dryer, Locker Model 24 Rotex Multideck screen, Readings induced roll separator, Readings HT two-roll separator, Readings magnetic & Rapids Model CG315 separators, micro Pulsair 16-6-20 dust collector.

BELT CONVEYORS - (915 x 8.8m long) - (610 x 8.8m long) - (1070 x 13.2m long) - (915 x 45m long) - (1500 x 9m long) - (915 x 9m long) - (762 x 84m long) - (762 x 50m long) - (762 x 100m long) - (2 x 762 x 23m long) - (457 x 26m long) - (457 x 80m long) - (500 x 15m long) - (455 x 8m long) - (762 x 34m long) - (762 x 37m long) - (610 x 28m long) - (762 x 9m long) - (452 x 21m long) - (457 x 21m long) - (457 x 6m long) - (915 x 16m long) - (762 x 24m long) - (457 x 95m long) - (762 x 61m long) - (457 x 50m long) - (457 x 27m long) - (440 x 18m long) - (745 x 23m long) - (762 x 120m long) - (915 x 74m long)

ANCILLARY ASSETS - Extensive water & tailings pumping & reticulation systems, incorporating water and sand pumps, 4 kilometres of various pipe sizes (incl. linatex) - electricity reticulation both from FNQEB grid and high capacity Cat and Paxman Auxiliary Generating Plants - Mobile Crane, Vehicles etc. - well-equipped engineering shop and tool store, laboratory equipped with high quality equipment - office furniture and equipment including computers etc., quality survey equipment, communications equipment, large fuel and water storage tanks, explosives magazines etc. etc.

TUNGSTEN CONCENTRATES held in store are also available for sale.

STORES INVENTORY - comprising new spares for pumps, drills, conveyors and belts, weightmetres, hydraulics, ore sorters (incl. X Rays), compressors, dryer, vibrators, crushers, classifiers, screens, jigs, separators, feeders, spirals, gearboxes and meters, rod mill plus large quantity plate steel etc.

MINE VILLAGE

The Mt. Carbine Mine Village is located on an elevated position clear of the Mine workings with ready access to the Mulligan (Cairns - Cooktown) bitumen Highway approx. 90 kilometres upland from Port Douglas.

Containing 20 modern homes, single accommodation for 80 people, 40 serviced Caravan Park sites, half-size Olympic Pool etc. etc., this well laid out Village would have several viable alternative uses other than Mine Workers accommodation; offers are being specifically sought for the Village on a "stand alone" basis as well as part of the Mining Operation.

SEALED TENDERS addressed to the undersigned, CLOSE AT 12 NOON, MONDAY, 19TH NOVEMBER, 1990 and tenderers will be individually advised of result of their respective tenders not later than close of business on Friday, 30th November, 1990.

TENDER DOCUMENTS INCLUDING ASSET DESCRIPTIONS AVAILABLE ON REQUEST. INSPECTION BY APPOINTMENT ONLY.

The highest or any tender not necessarily accepted.

Any part of the assets remaining unsold after completion of the tendering process will be auctioned on site at a date to be announced. Tender documents including asset descriptions available upon request.



Quaid Auctioneers
 as Agents for Queensland Tungsten Limited
 37 Lake Street, Cairns.
 Phone: 070-513300. Fax: 070-519470

North Queensland Register, October 11, 1990

Heritage concerns quashed

FARMERS and other landholders will not be adversely affected by a move to list some 100,000 hectares around the Burdekin on the national estate register.

The Australian Heritage Commission recently nominated the Bowling Green Bay-Burdekin River mouth area for listing because it was regarded as a significant wetland and geomorphological region. It could be listed within five months.

The Commission's assistant director in charge of the register, Dr Robert Bruce, quashed concerns that the move could put an end to farmers pumping surface water from creeks to irrigate caneland.

"It will have no affect on that. The only people who can order farmers not to pump water is their state or local government.

"Our act relates entirely to the actions of the Commonwealth. We don't have any powers over state or local gov-

ernments." Dr Bruce said the areas to be included in the register from the northern-most point were: Cape Cleveland National Park, Chunda Bay, the mouth of the Haughton River, and the mouths of Barramundi Creek, Barratta Creek and Hughes Creek.

The listed area extended south from Cape Bowling Green taking in the mouths of Kalamia Creek, Mud Creek, Seaforth Creek, the Burdekin River and Yellow Gin Creek. The southern-most areas were the mouth of Rocky Ponds Creek and R.M. Creek.

Dr Bruce said the area extended inland two to five kilometres, bounded in many parts by the rail line or Bruce Highway.

The listing would not impose upon the area the restrictions of a national park. Nor would it have any direct effects on landholders.

"All we're doing is saying this area is important for conservation purposes, but we have no powers to enforce the conservation of the area.

QUEENSLAND WATER RESOURCES COMMISSION
REPORT ON APPLICATION FOR WATERWORKS LICENSE

DAMS, WEIRS, LEVEE BANKS, DRAINS, ETC.

DATE RECEIVED	APPLICATION N°	ADVERTISING FEE	NEWSPAPER	DATE ADVERTISED
17-04-90	50014	20416 12-04-90	CAIRNS POST	29.9.90

OBJECTIONS		DATE	
DATE CLOSED	RECEIVED FROM	RECEIVED	ACKNOWLEDGED
19.10.90	NIL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

REMARKS General Location MT CARBINE A.M.T.D. _____ km Map 7964/5

Is Applicant Riparian * YES/NO Work * PROPOSED/EXISTING

Licenses on Property _____

Is Application F.W.S. Design * YES/NO

DISTRICT OFFICE

W.A.B.
C/NO:- 18494.

NAME QUEENSLAND TUNGSTEN
ADDRESS MAIL CENTRE MT CARBINE QLD 4871

LICENSE NUMBER	EXPIRY DATE	FILE N°
50014		4667

MW 4867 26/1/93
INC
1/194
POSEIDON MINERALS LTD

WORK Type EARTH DAM
*Size: Max. Height above B.L. 9 m
Length of Crest 780 m
Width at Crest 6 m
Width at Base 20 m
Height of Spillway 4 m
Width of Spillway 6.3 m
Outlet Pipe at B.L. - mm
Storage Capacity 147 ML

*Size: Max. Height/Depth _____ m
Average Depth _____ m
OTHER Length _____ m
Width at Crest _____ m
Width at Base _____ m
Max. Bed Width _____ m
Batters _____

LOCATION OF WORK Portion MW 2523
Parish MAPPE County DAGMAR

WATERCOURSE _____ Classification _____

PURPOSE OF WORK TAILINGS STORAGE

ISSUED AT _____ this _____ day of _____ 19 _____

COMMENT	RECOMMENDATION By _____ Date _____
Personal Card	* (1) Issue _____ License(WLOO) with details as above
Stream Card	* Special Conditions _____
	* (2) Application be refused and Right of Appeal given
	Grounds of Refusal _____

D.P.S. Approved by _____ Date _____



Department of
Primary Industries

Water Resources Commission

167 Walsh Street, PO Box 156, Mareeba, Qld 4880
Telephone (070) 922 555, Facsimile (070) 923 939

Enquiries to

Miss M. Ali:TS

Telephone

Your reference

Our reference

Date

42-006 (3667, 4133, 3777, 3906 & 1634)

25th September 1990

The Manager
Cairns Post Pty. Ltd.
P O Box 126
CAIRNS QLD 4870

Dear Sir

Please insert the attached advertisement in your newspaper as specified thereon.
This is Schedule No. 15.

The Statement of Account is to be forwarded to:-

Queensland Government Master Media Unit
George Patterson Advertising Brisbane
G P O Box 599
BRISBANE QLD 4001

Yours faithfully

sch4p4(6) Personal information

G. SADLER
REGIONAL ENGINEER

RTI DL Release



Department: Water Resources Commission
 Contact: Mr. A. Greer Phone 922 555

Paper Requested: Cairns Post
 Date of Insertion: Saturday 29th September, 1990
 No. of Insertions: One
 Space: Single Column/Set Solid
 Classification: Qld Government Notices

Expenditure Code: 5 815 25677 FN

WATER RESOURCES COMMISSION
 DEPARTMENT OF PRIMARY INDUSTRIES
 P.O. BOX 156, MAREEBA
 (one line space)

ROULSTON MJ & ER
 Lot 11 on RP748425, Parish of
 Malanda County of Nares.
 Existing 5.0m Earth Dam on
 Unnamed Tributary of the
 Johnston River for domestic,
 environmental enhancement and
 stockwater purposes.

PETER MAPPAS INVESTMENTS PTY LTD
 Lot 9 on RP27695, Parish of
 Malanda, County of Nares.
 Proposed 4.0 metre Earth, Rock
 and Concrete Dam on Unnamed
 Tributary of Johnston River for
 irrigation and stockwater purposes.

MULLER IW & RM
 Portion 281, Parish of
 Ravenshoe, County of Cardwell.
 Existing 50mm Centrifugal Pump
 for irrigation of 2 hectares
 from the Millstream.

LLOYD JA & SS
 Pump on Lot 119 Plan N5021,
 Parish of Dirran, County of Nares
 to supply Lot 119 on Plan N5021
 and Lot 120 on Plan NR841,
 Parish of Dirran, County of Nares.
 Proposed 80mm Centrifugal Pump
 on Cheelonga Creek for dairy and
 irrigation of 17 hectares.

RTI DL Release

GODFREY JB & DA
Lot 316 on Plan NR6237, Parish
of Barron, County of Nares to
supply Lot 315 on Plan 1320,
Lot 314 Plan NR1320 and Lot 579
Plan NR1320, Parish of Barron,
County of Nares.
Proposed 80mm Centrifugal Pump
from Mazlin Creek for irrigation
purposes.

QUEENSLAND TUNGSTEN

ML 2523, Parish of Mappe, County
of Dagmar.

Existing 9.0m Earth Dam not on a
Watercourse for tailings storage
and mining purposes.

Written objections from riparian
landholders within a radius of
eight kilometres upstream of
twenty-four kilometres downstream
may be submitted in respect of
those applications for works on
watercourses or landholders
within a radius of eight
kilometres where works are not
on a watercourse.

Closing date for objections is
the 19th of October, 1990.

Objectors must state their property
description and their grounds
for objection.

BULRIO PTY LTD

Lot 2 on Plan 157259, Parish of
Cairns, County of Nares.

Proposed Sub Artesian bore for
industrial and town water supply
with an annual allocation of 137
megalitres. This is an application
which was previously advertised
incorrectly.

Closing date for written objections
from landholders within a radius
of 0.5 kilometres from the affected
land is the 19th of October, 1990.

WATER RESOURCES COMMISSION - OFFICE MEMO

To: File + AO/CL

From: TOSC

Date 17/9/90 File: 2487

Copies to:

Subject: W/W licence applications Reference:

50014 / 17

- Please advertise application 50014 as per application.
- Application 50015 not required. This is for a repumping operation and is of no concern of WRC.
- Applications 50016 / 17. Inspection revealed the dam was not of referable dimension and its location was not on a determined water course. Therefore both applications are not required. No refund is required because only \$55.00 was received with all applications.

In brief - only application 50014 requires advertising and further action by WRC.

Subsequent noting: 25/9/90

Applications 50015 / 16 / 17 cancelled in W/W register

sch4p4(6) Personal information

REPORT ON APPLICATION FOR WATERWORKS LICENSE

PUMPS

DATE RECEIVED	APPLICATION N°	ADVERTISING FEE	NEWSPAPER	DATE ADVERTISED
17-04-90	50015	20416 12-04-90		

OBJECTIONS		DATE	
DATE CLOSED	RECEIVED FROM	RECEIVED	ACKNOWLEDGED

REMARKS General Location MT CARRIBE A.M.T.D. _____ km Map 7964/5
 Is Applicant Riparian * YES/NO _____ Work * PROPOSED/EXISTING _____
 Licenses on Property _____

 _____ Method * SURFACE / SPRAY _____
 DISTRICT OFFICE _____ W.A.B. _____

NAME QUEENSLAND TUNGSTEN
 ADDRESS MAIL CENTRE MT CARRIBE QLD 4871

LICENSE NUMBER	EXPIRY DATE	FILE N°
50015		4667

WORK Size and Type 200 MM CENTRIFUGAL PUMP
 * AREA to be irrigated _____ hectares * ANNUAL Water Allocation _____ Megalitres

LOCATION OF WORK Portion _____
 Parish MAPPE County DASMAN

TO SUPPLY Portion _____
 Parish _____ County _____

WATERCOURSE _____ Classification _____

PURPOSE OF WORK MINING

CROPS IRRIGATED _____

ISSUED AT _____ this _____ day of _____ 19 _____

COMMENT	RECOMMENDATION By _____ Date _____
	* (1) Issue Pump License (WL 001) with details as above
	* Special Conditions _____
	* (2) Application be refused and Right of Appeal given
	Grounds of Refusal _____

Approved by _____ Date _____

245P * Strike out that not applicable

QUEENSLAND WATER RESOURCES COMMISSION
 REPORT ON APPLICATION FOR WATERWORKS LICENSE

DAMS, WEIRS, LEVEE BANKS, DRAINS, ETC.

DATE RECEIVED	APPLICATION N°	ADVERTISING FEE	NEWSPAPER	DATE ADVERTISED
17-04-90	50016	20416 12-04-90		

OBJECTIONS		DATE	
DATE CLOSED	RECEIVED FROM	RECEIVED	ACKNOWLEDGED

REMARKS General Location MT CARBINE A.M.T.D. _____ km Map 4964/5
 Is Applicant Riparian YES/NO Work PROPOSED/EXISTING
 Licenses on Property _____
 Is Application F.W.S. Design YES/NO

DISTRICT OFFICE	W.A.B.
-----------------	--------

NAME QUEENSLAND TUNGSTEN
 ADDRESS MAIL CENTRE MT CARBINE QLD 4871

LICENSE NUMBER	EXPIRY DATE	FILE N°
50016		4667

WORK Type EARTH DAM
 *Size: Max. Height above B.L. 4.6 m
 Length of Crest 130 m
 Width at Crest 10 m
 Width at Base 20 m
 Height of Spillway _____ m
 Width of Spillway _____ m
 Outlet Pipe at B.L. _____ mm
 Storage Capacity 19 ML

OTHER
 *Size: Max. Height/Depth _____
 Average Depth _____
 Length _____
 Width at Crest _____
 Width at Base _____
 Max. Bed Width _____
 Batters _____

CL 120 m
 38° @ 9.2 m
 9.7.90
 Application not required - not referable on non watercourse

LOCATION OF WORK Portion mn 2523 County DAGMAR
 Parish MAPPE

WATERCOURSE _____ Classification _____

PURPOSE OF WORK WATER CONSERVATION FOR MINING

ISSUED AT _____ this _____ day of _____ 19 _____

COMMENT	RECOMMENDATION By _____ Date _____
	(1) Issue License (WLOO) with details as above * Special Conditions _____
	(2) Application be refused and Right of Appeal given * Grounds of Refusal _____

Personal Card
 Stream Card

D.P.S. Approved by _____ Date _____

sch4p4(6) Personal information

QUEENSLAND WATER RESOURCES COMMISSION
REPORT ON APPLICATION FOR WATERWORKS LICENSE

PUMPS

DATE RECEIVED	APPLICATION N°	ADVERTISING FEE	NEWSPAPER	DATE ADVERTISED
17-04-90	50017	20416 12-04-90		

OBJECTIONS		DATE	
DATE CLOSED	RECEIVED FROM	RECEIVED	ACKNOWLEDGED

REMARKS General Location MT CARBINE A.M.T.D. _____ km Map 4964/5
 Is Applicant Riparian * YES/NO _____ Work * ~~PROPOSED~~/EXISTING _____
 Licenses on Property _____

 Method * SURFACE / SPRAY _____
 DISTRICT OFFICE _____ W.A.B. _____

NAME QUEENSLAND TUNGSTEN
 ADDRESS MAIL CENTRE MT CARBINE QLD 4871

LICENSE NUMBER	EXPIRY DATE	FILE N°
50017		4667

WORK Size and Type 150 mm CENTRIFUGAL PUMP
 * AREA to be Irrigated _____ hectares * ANNUAL Water Allocation _____ Megalitres
 LOCATION OF WORK Portion _____
 Parish MAPPE County DAGMAR
 TO SUPPLY Portion _____
 Parish _____ County _____
 WATERCOURSE _____ Classification _____
 PURPOSE OF WORK MINING
 CROPS IRRIGATED _____
 ISSUED AT _____ this _____ day of _____ 19____

COMMENT	RECOMMENDATION By _____ Date _____
	* (1) Issue Pump License (WL 001) with details as above
	* Special Conditions _____
	* (2) Application be refused and Right of Appeal given
	Grounds of Refusal _____

Approved by _____ Date _____

245P * Strike out that not applicable

RTI/DL Release

w/this not required for pump

sch4p4(6) Personal information

QUEENSLAND TUNGSTEN

(Wholly owned by Poseidon Ltd)

HEAD OFFICE

120 HUTT STREET
ADELAIDE
SOUTH AUSTRALIA 5000
TEL. 08 223 7438
FACSIMILE 08 232 0198

MINE OFFICE

MT. CARBINE

POSTAL ADDRESS

Mail Centre
MT. CARBINE

QLD. 4871

Tel. 070 943 156

Facsimile 070 943 150

The Regional Engineer,
Water Resources Commission,
P.O. Box 156,
Mareeba.

Queensland. 4880

QUEENSLAND	WATER RESOURCES COMMISSION	
	12th March, 1990	
	REGIONAL OFFICE	
	17 APR 1990	
DOC. No. 1634		
FILE	REFER	
4667	PO 5500	
NEW		

Dear Sir,

Re: Application for Waterworks License

We submit, as requested, an Application for Waterworks License and a Preliminary Hazard Assessment for Referable Dams for each of two dams; our No. 4 Tailings Dam and Return Water Dam.

Our cheque for \$55.00; being license fees, is enclosed and we trust you find the information satisfactory.

Yours sincerely,

s.78B(2)

D. Wolff
Mine Manager.

APPLICATION FOR WATERWORKS LICENSE
(Schedule 1—Works Generally)

TO THE COMMISSIONER OF WATER RESOURCES
G.P.O. BOX 2454,
BRISBANE, 4001

File No.

REGIONAL ENGINEER
WATER RESOURCES COMMISSION
P.O. BOX 154, MAREEBA, QLD., 4380



I/WE, QUEENSLAND TUNGSTEN of MT CARBINE
in the state of Queensland, being the owner/s (or lawful occupier/s) of land situated as described hereunder and shown on the accompanying plan, upon which land it is proposed to construct (or is constructed) and use the work described hereunder, do hereby apply for a License in respect of the said works to be used for the purpose/s as stated in this application.

Dated this TENTH day of APRIL, 1990 Rayneel Wolff
Signature of Applicant/s

NAME IN FULL (Block Letters) Mr. WOLFF RAYNEEL (FOR QUEENSLAND TUNGSTEN)
Miss _____ (Owner/s or lawful occupier/s)

POSTAL ADDRESS MAIL CENTRE, MT. CARBINE Phone No. 679943157

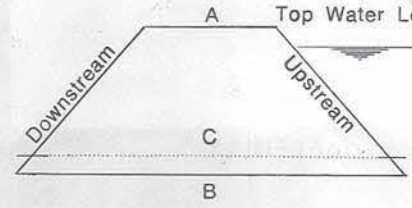
LOCATION OF WORK County DAGUAP Parish MAPPE

Work situated on Portion _____
To supply water to Portion _____
(Give full property descriptions including any subdivisions and resubdivisions)
State whether works are existing or proposed EXISTING

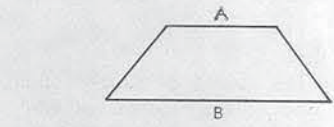
SOURCE OF SUPPLY Name of Watercourse or Lake UN-NAMED

PUMP: Type CENTRIFUGAL Size 200 mm X 200 mm
(Centrifugal, Piston, Submersible, etc.)
Max Capacity _____ Litres/Sec. Prop. Total Working Head _____ Metres
Maker's Name MORRIS Model and/or Series _____

DAM OR WEIR: Type EARTH Maximum Height of wall above Bed Level 9 Metres
(Concrete, Earth, Rock, etc.)
Length of Crest 780 Metres: Thickness at Crest (A) 6 Metres
Thickness at Base (B) 20 Metres: Diameter of outlet Pipe (C) _____ Millimetres
Width of Bywash or Spillway 6.3 Metres
Height of Bywash or Spillway above Bed Level AVERAGE 4 Metres
Distance of Backup at Top Water Level 500 Metres
Storage Capacity 147 Megalitres (approx.)



LEVEE BANK: Maximum Height _____ Metres: Total Length _____ Metres
Thickness at Crest (A) _____ Metres: Thickness at Base (B) _____ Metres
Is there a Levee Bank on opposite bank of stream? _____
If so, will crest of the proposed levee bank be above or below crest of opposite levee bank, and by how much? _____



DIVERSION CHANNEL: Length _____ Metres: Depth _____ Metres
Width: Top _____ Metres: Bottom _____ Metres: If pipe, diameter _____ mm

PURPOSE OF WORK WATER CONSERVATION / FALINGS STORAGE
(State if work is for the purpose of irrigation, water conservation, flood prevention, drainage, etc. and whether existing or proposed.)

WATER IRRIGATION: Crops to be irrigated _____
UTILISATION Area to be irrigated (Max. proposed under irrigated crop during any one season) _____
Hectares
Annual Water Allocation _____ Megalitres (To be completed only if stream regulated)
Type: () Surface () Spray

STOCKWATERING: No. and type of stock _____

Payment Received \$ 55.00
Rec'd No. 20416 Date 12-4-90

sch4p4(6) Personal information

PRELIMINARY HAZARD ASSESSMENT

FOR REFERABLE DAMS

DAM 2

LICENCE APPLICATION NO. _____ NAME OF DAM No 4 STAININGS DAM.

1. NAME OF OWNER [P/C/T] QUEENSLAND TUNGSTEN (C)

2. Postal Address MAIL CENTRE
MT. CARBINE
QUEENSLAND 4871

3. Property Description Portion _____
Parish MAPPE
County DAGMAR
Locality MT. CARBINE

4. Location of Dam Longitude 145° 7' E Latitude 16° 32' S
(***DETAILS MUST BE PROVIDED***)

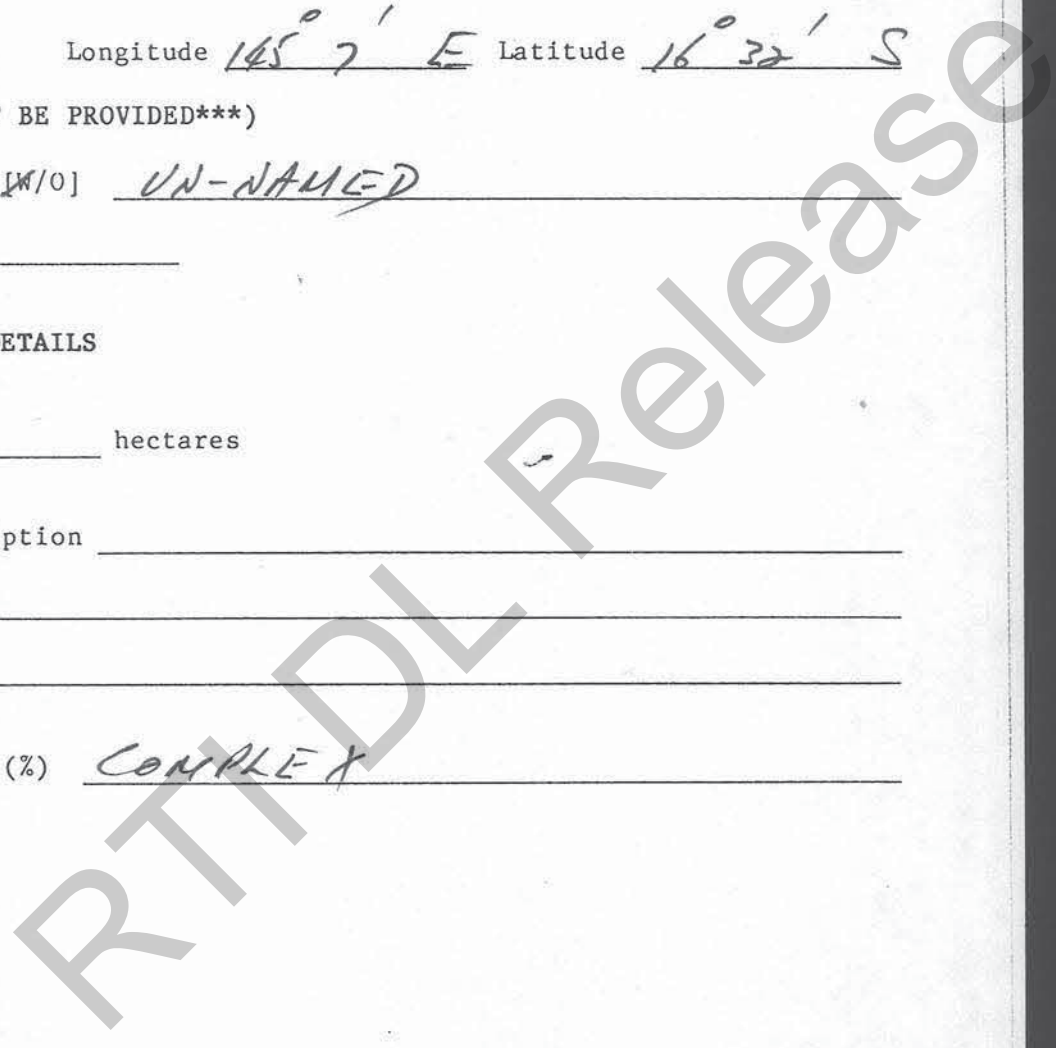
5. Stream or River [W/O] UN-NAMED
at AMTD _____

CATCHMENT AREA DETAILS

6. Area 1000 hectares

7. Catchment Description _____

8. Catchment Slope (%) COMPLEX



RESERVOIR DESCRIPTION

9. Purpose WATER STORAGE AND TAILINGS DAM

10. Capacity 147 ML

11. Contents WATER AND MINUS 12MM CLEAN ROCK AND FINES

SPILLWAY DESCRIPTION

12. Type and Dimensions of Spillway OGEE CREST
6.3 M WIDE

DAM DESCRIPTION

13. Type EARTH

14. Height of Dam 6 metres

15. Length of Dam 780 metres

HAZARD ASSESSMENT

Inundation Potential

16. Dwellings/Buildings (Numbers) NIL

17. Occupancy Rate (%) NIL

18. Normal Flood Susceptibility (%) NIL

RTI/DI Release

Utilities

19. Roads PRIVATE ROAD ACCESS TO MITCHELL RIVER ROAD
LIKELY TO BE SCOURED AS IT CROSSES TWO
UN-NAMED WATER COURSES

20. Bridges NIL

21. Water Supply NIL

22. Power Lines NIL

23. Telephone NIL

24. Railway NIL

25. Other Impacts of Flooding NIL

26. Damage from Seepage Potential (Yes/No) NO DAMAGE LIKELY

RTI DL Release

- 27. Recipient of Seepage DOWNSTREAM PONDS AND
AQUIFER RECHARGE
- 28. Seepage Acceptibility (Yes/No) YES
- 29. Soaks Likely (Yes/No) No

RTI DL Release

QUEENSLAND WATER RESOURCES COMMISSION
APPLICATION FOR WATERWORKS LICENSE
 (Schedule 1—Works Generally)

RETURN WATER DAM

QUEENSLAND WATER RESOURCES COMMISSION
 MADEIRA REGIONAL OFFICE
 17 APR 1990
 DOC. No. File No.
 FILE REFER

TO THE COMMISSIONER OF WATER RESOURCES
 G.P.O. BOX 2454,
 BRISBANE, 4001

REGIONAL ENGINEER
 WATER RESOURCES COMMISSION
 G.P.O. BOX 152, MADEIRA, Q.L.D., 4880

I/WE, QUEENSLAND TUNGSTEN of MT. CARBINE
 in the state of Queensland, being the owner/s (or lawful occupier/s) of land situated as described hereunder and shown on the accompanying plan, upon which land it is proposed to construct (or is constructed) and use the work described hereunder, do hereby apply for a License in respect of the said works to be used for the purpose/s as stated in this application.

Dated this TENTH day of APRIL, 1990 *Dayrell Wolff*
 Signature of Applicant/s

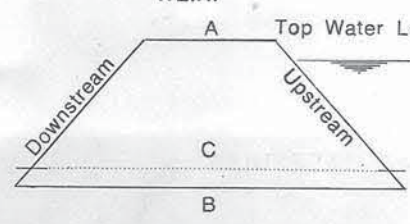
NAME IN FULL Mr. WOLFF DAYRELL (FOR QUEENSLAND TUNGSTEN)
 (Block Letters) Miss (Owner/s or lawful occupier/s)
 POSTAL ADDRESS MAIL CENTRE, MT. CARBINE Phone No. (070) 943157

LOCATION OF WORK County DAGMAR Parish VIAPPE
 Work situated on Portion -
 To supply water to Portion -
 State whether works are existing or proposed EXISTING

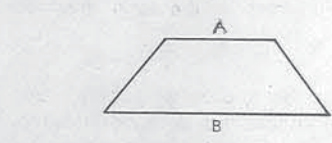
SOURCE OF SUPPLY Name of Watercourse or Lake UN-NAMED

PUMP: Type CENTRIFUGAL Size 150 mm X 150 mm
 (Centrifugal, Piston, Submersible, etc.)
 Max Capacity _____ Litres/Sec. Prop. Total Working Head _____ Metres
 Maker's Name NUBUS Model and/or Series _____

DAM OR WEIR: Type EARTH Maximum Height of wall above Bed Level 4.5 Metres
 (Concrete, Earth, Rock, etc.)
 Length of Crest 130 Metres: Thickness at Crest (A) 70 Metres
 Thickness at Base (B) 20 Metres: Diameter of outlet Pipe (C) 400 X 600 Millimetres
 Width of Bywash or Spillway _____ Metres
 Height of Bywash or Spillway above Bed Level _____ Metres
 Distance of Backup at Top Water Level 110 Metres
 Storage Capacity 19 Megalitres (approx.)



LEVEE BANK: Maximum Height _____ Metres: Total Length _____ Metres
 Thickness at Crest (A) _____ Metres: Thickness at Base (B) _____ Metres
 Is there a Levee Bank on opposite bank of stream? _____
 If so, will crest of the proposed levee bank be above or below crest of opposite levee bank, and by how much? _____



DIVERSION CHANNEL: Length _____ Metres. Depth _____ Metres
 Width: Top _____ Metres: Bottom _____ Metres: If pipe, diameter _____ mm

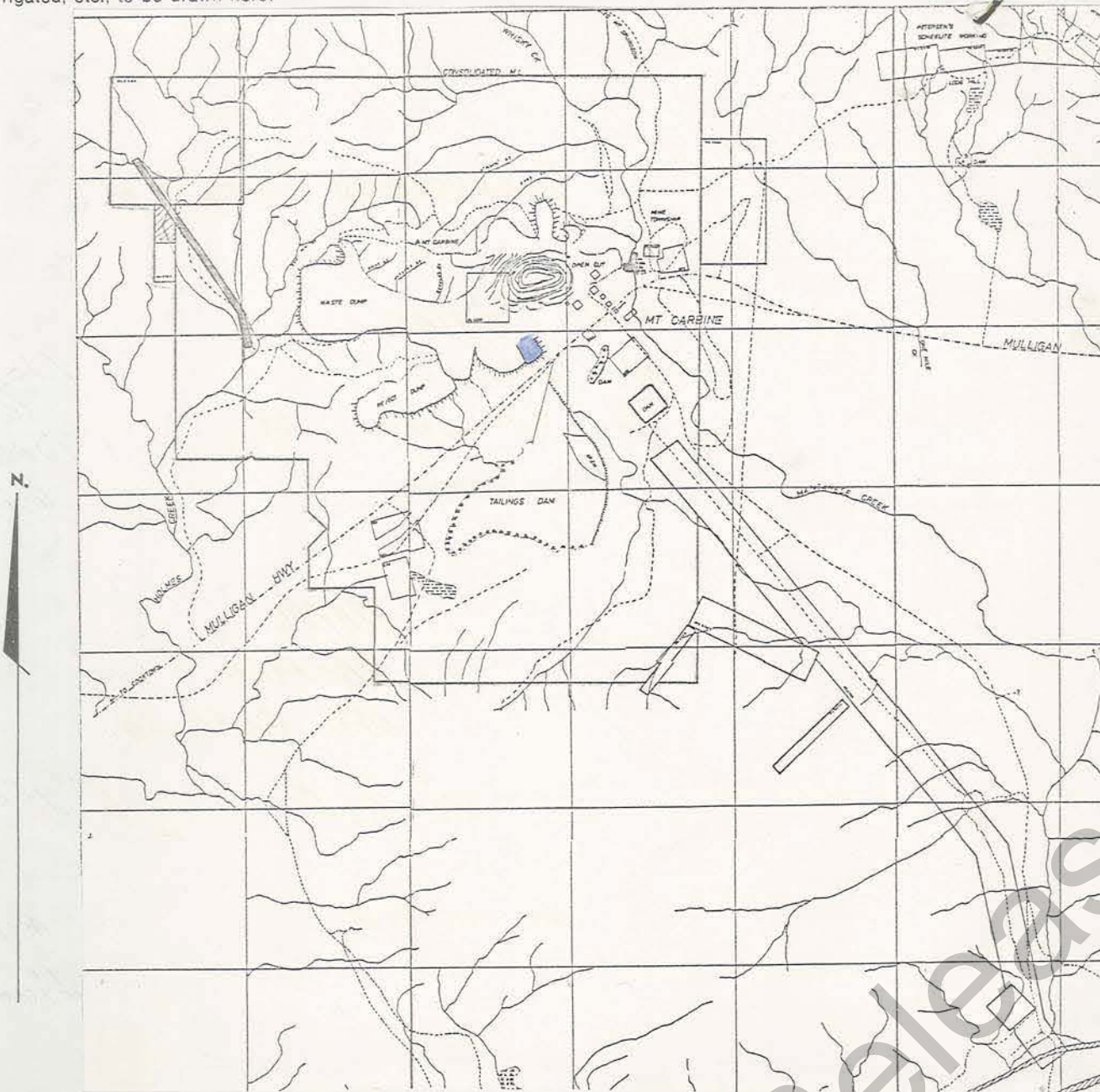
PURPOSE OF WORK WATER CONSERVATION
 (State if work is for the purpose of irrigation, water conservation, flood prevention, drainage, etc. and whether existing or proposed.)

WATER IRRIGATION: Crops to be irrigated _____
 UTILISATION Area to be irrigated (Max. proposed under irrigated crop during any one season) _____
 Hectares
 Annual Water Allocation _____ Megalitres (To be completed only if stream regulated)
 Type: () Surface () Spray

STOCKWATERING: No. and type of stock _____

Personal information

SKETCH PLAN of property boundaries, showing portion numbers, north point, position of stream, direction of flow, location of work, area to be irrigated, etc., to be drawn here:



NOTES ON AN APPLICATION FOR A WATERWORKS LICENSE—PLEASE READ CAREFULLY

1. The sum of ~~\$25.00~~ ^{\$55.00}, to cover advertising costs, MUST accompany the Application.
2. An applicant for a Waterworks License should be the registered owner of Freehold land, or the registered lessee of Leasehold land, abutting on the bank of a watercourse or lake, and satisfactory evidence of the applicant's interest in the land must be produced.
3. If the applicant is the owner or lessee of Freehold or Leasehold land which does not abut upon the source of supply, such applicant must produce further documentary evidence of his interest in the land on which the work applied for is to be installed, in the form of a stamped Agreement for Lease, Contract of Sale, or Section 11A Agreement with a landholder adjacent to the watercourse or lake.
4. If the applicant is purchasing the subject land, but the transfer documents have not yet been lodged for registration, he should ask the Solicitor handling the sale to advise the Commissioner of the present position of the transaction.
5. In a case where the person wishing to install works on a watercourse or lake is not the registered owner or lessee of the subject land and is unable to produce any documentary evidence as set out in paragraphs (3) and (4), the application for the License MUST be signed by the registered owner or lessee of the land (a) to which water is to be diverted in the case of a pump or (b) on which the work is to be installed in the case of any other works.
6. Under the Water Act 1926-1986 an application for a License must be advertised in the "Government Gazette" and local newspaper, and even if no objections are received or any objections are received and dismissed, there is no guarantee that a License for the particular size of pump, area or particular size of other work applied for will be granted.
7. Applicants are warned against taking any action to procure a pumping plant or constructing any work in the watercourse, until the application has been approved.
8. All questions in relation to the application must be answered fully, as failure to do so will lead to correspondence with consequent delay in dealing with the application.

PRELIMINARY HAZARD ASSESSMENT

FOR REFERABLE DAMS

Dam 1

LICENCE APPLICATION NO. _____ NAME OF DAM Return Water DAM.

1. NAME OF OWNER [P/C/T] QUEENSLAND TUNGSTEN (C)

2. Postal Address MAIL CENTRE
MT. CARBINE
QUEENSLAND 4871

3. Property Description Portion _____
Parish MAPPE
County DASMAR
Locality MT. CARBINE

4. Location of Dam Longitude 145° 08 E Latitude 16° 32' S
(***DETAILS MUST BE PROVIDED***)

5. Stream or River [W/O] UN-NAMED
at AMTD _____

CATCHMENT AREA DETAILS

6. Area Approx 250 hectares

7. Catchment Description _____

8. Catchment Slope (%) COMPLEX

RTDL Release

RESERVOIR DESCRIPTION

9. Purpose WATER STORAGE

10. Capacity 19 ML

11. Contents WATER

SPILLWAY DESCRIPTION

12. Type and Dimensions of Spillway RECTANGULAR PIPE
400MM X 600MM

DAM DESCRIPTION

13. Type EARTH

14. Height of Dam 4.6 metres

15. Length of Dam 130 metres

HAZARD ASSESSMENT

Inundation Potential

16. Dwellings/Buildings (Numbers) NIL

17. Occupancy Rate (%) NIL

18. Normal Flood Susceptibility (%) NIL

Utilities

- 19. Roads PENINSULAR DEVT. ROAD - ANY DISRUPTION LIKELY TO BE DEPOSITION OF SILT ON ROAD SURFACE
- 20. Bridges NIL
- 21. Water Supply NIL
- 22. Power Lines NIL
- 23. Telephone NIL
- 24. Railway NIL
- 25. Other Impacts of Flooding NIL
- 26. Damage from Seepage Potential (Yes/No) No DAMAGE LIKELY

RTI DL Release

- 27. Recipient of Seepage DOWNSTREAM PONDS
- 28. Seepage Acceptibility (Yes/No) YES
- 29. Soaks Likely (Yes/No) no

RTI DL Release

WATER RESOURCES COMMISSION - OFFICE MEMO

To: FileFrom: SCODate 20/4/90 File:

Copies to:

Subject: W/W licence 46690

Reference:

It appears that when this licence was originally applied for the applicant supplied MRO with incorrect information regarding the LOCATION OF WORKS.

It should be MW 2258, as confirmed by Dept. of Resource Industries on 20.4.90, not MW 2558.

Site inspection confirms the pump to be installed.

Inspection also reveals that the licence requires amendments

(1) TO SUTHEY description should be MW 2523.

(2) PURPOSE OF WORKS should be for Mining operations and town supply.

Subsequent noting:

3668 (0)

Mr P. Cocuzza:bb

14th March 1990

The Manager
Queensland Wolfram Pty Ltd
P.M.B. 13
CAIRNS Q 4870

Dear Sir,

WATERWORKS LICENSE N° 46690

Attached is a duplicate of the above license which has been renewed for a further period of time.

Yours faithfully

[Redacted] sch4p4(6) Personal information

P. GILBEY
REGIONAL ENGINEER

B/C Regional Engineer
Water Quality Council of Queensland
P O Box 1880
TOWNSVILLE Q 4810

For your information.

[Redacted]
A REGIONAL ENGINEER

RTI DL Release

WATERWORKS LICENCE

Name and Address of Licensee

QUEENSLAND WOLFRAM PTY LTD
P.M.B. 13
CAIRNS QLD 4870

Licence Number A 46690 Expiry Date 30/9/1992 File Number 3668

Description of Works

150 MILLIMETRE CENTRIFUGAL PUMP CAPABLE OF PUMPING A
MAXIMUM OF __ LITRES PER SECOND AGAINST __ METRES HEAD

Location of Works

Description ML2558 (MAREEBA)
Parish MAPPE
County DAGMAR

To Supply

Description ML2558 (MAREEBA)
Parish MAPPE
County DAGMAR

Name of Watercourse MITCHELL RIVER

Purpose of Works MINING

Nominal Allocation 0 ML
Date of Original Issue 30/5/1986

It is the licensee's responsibility to apply for renewal of this Licence before it expires, irrespective of the Commissioner sending an expiry notice.

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

Issued at MAREEBA this TWENTY-EIGHTH day of
FEBRUARY 1990

WL007 for COMMISSIONER OF WATER RESOURCES

COPY
RTI DL Release

SCHEDULE OF TERMS FOR LICENCE NUMBER A 46690

EXPIRY DATE 30/9/1992

- 1.001 The licensee shall install the work for which the licence is granted within two (2) years from the date of grant of the licence.
- 1.002 The licensee, after installing the work, shall to the satisfaction of the Commissioner beneficially use the water which is entitled to be diverted under this licence.
- 1.003 The licensee shall notify the Commissioner immediately of 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.
- 1.004 The holder of this licence shall pay such fees and charges as are determined by the Commissioner from time to time. Such fees and charges being payable at any place specified by the Commissioner, on the due date and must be paid within 30 days of the date of issue of the invoice.

COPY
RTI DL Release

WATERWORKS LICENSE. G PERSONAL CARD.

Name: <i>The manager</i> QUEENSLAND WOLFRAM PTY. LTD.		Application No.: 46690
Address: P.O.B. 13, CAIRNS Q 4870		Date Received: 17.4.1986
		License No.: 46690
		Date Issued: 30.5.1986
		File No.: MRO 3668
Portion: M.L. 2558 (MAREEBA)		
Parish: MAPPE	County: DAGMAR	
Watercourse: MITCHELL RIVER	Classification: 9.19.4	A.M.T.M.:
Work—Nature: 150mm CENTRIFUGAL PUMP	Object: MINING OPERATIONS.	
Irrigation—Crops:	Area:	Vol. Water:
License Current to:—		Remarks:
30.9.1989		

QWRC 513

25597—D347/83—Govt. Printer, Qld.

RTI DL Release



best reports for 1985/86 financial
year - [unclear] (NKS)

5/10
CARBINE FR 04 MAG 686 2900m ASL 30-4-85 NKS

To: DISTRICT ENGINEER - MAREEBA

From: STREAM CONTROL OFFICER MAREEBA Date 6 / 2/90 File 2487

Copies to:

Q/N 15423.

Subject: WATERWORKS LICENSE REQUIREMENTS OF QUEENSLAND WOLFRAM PTY. LTD., MT CARBINE Reference:

The mine site was inspected by SSCO and self in company of mine manager Mr D. Wolff - on 2.2.90. The aim of the inspection was to determine whether existing licenses were still required and if there were any other requirements that WRc may have.

Reference is made to the attached photocopy of an aerial photograph of the mine site and to memo's to file 3668/2487 dated 2.2.90 and 5.2.90.

The following recommendations are made.

- 1. W/W license 44215^{1/pc} be cancelled as requested on 2.2.90.
- 2. W/W license 44216^{1/pc} and W/W license 44217^{1/pc} be cancelled. See file memo 2.2.90. *not watercourse*
- 3. W/W license 35845^{1/pc} and W/W license 35846^{1/pc} be cancelled. See file memo. 2.2.90.
- 4. Qld Wolfram Pty. Ltd. be requested to apply for W/ W licenses to cover the 2 referable structures marked 1 & 2 on photocopy. See also file memo 5.2.90.

sch4p4(6) Personal information

S. SMART
STREAM CONTROL OFFICER

NOTE ABOUT W/W LICENSES HAVE BEEN CANCELLED 7.3.90 PC. [redacted] 12/3/90

Subsequent Noting:

Steve

Can you discuss this Dave

AO, Treat incoming applications for 2 ref. dams as a single application regarding Adv fee.

WATERWORKS LICENSE. **G** PERSONAL CARD.

Name: <i>The manager</i> QUEENSLAND WOLFRAM PTY. LTD.	Application No.: 44217
Address: P.M.B. 13, CAIRNS Q 6870	Date Received: 12.9.1983
	License No.: 44217
	Date Issued: 15.11.1983
	File No/MRO 2487.

Portion: M.L. 2523 (MAREEBA)

Parish: MAPPE County: DAGMAR.

Watercourse: UNNAMED TRIBUTARY OF HOLMES CREEK Classification: 919.04.23++A.M.T.M.:

Work—Nature: 5.0m EARTH DAM Object: WATER CONSERVATION FOR MINING

Irrigation—Crops: Area: OPERATIONS Vol. Water:

License Current to:—	Remarks:
30.9.1986	
30.9.1989	

QWRC 513
79242/8/79—3M—P/L—Govt. Printer, Qld.

RTI DL Release

WATERWORKS LICENSE. **G** PERSONAL CARD.

The manager

Name: QUEENSLAND WOLFRAM PTY. LTD.	Application No.: 44216
Address: P.M.B. 13, CAIRNS Q 4870.	Date Received: 12.9.1983
	License No.: 44216
	Date Issued: 15.11.1983
	File No.: MRO 2487

Portion: M.L. 2523 (MAREEBA)

Parish: MAPPE County: DAGMAR

Watercourse: UNNAMED TRIBUTARY OF HOLMES CREEK Classification: 919.04.23+ A.M.T.M.:

Work—Nature: 100mm CENTRIFUGAL PUMP Object: MINING OPERATIONS

Irrigation—Crops: Area: Vol. Water:

License Current to:—	Remarks:
30.9.1986	
30.9.1989	

QWRC 513
79242/8/79—3M—P/L—Govt. Printer, Qld.

RTI DL Release

WATERWORKS LICENSE. G PERSONAL CARD.	
Name: <i>The manager</i> QUEENSLAND WOLFRAM PTY. LTD	Application No.: 44215
Address: P.M.B. 13, CAIRNS Q4870	Date Received: 12.9.1983
	License No.: 44215
	Date Issued: 15.11.1983
	File No. MRO 2487
Portion: PUMP ON M.L. 2708 (MAREEBA) TO SUPPLY M.L. 2523 (MAREEBA)	
Parish: MAPLE	County: DAGMAR
Watercourse: HOLMES CREEK	Classification: 919.04.23 + A.M.T.M.:
Work—Nature: 80mm CENTRIFUGAL PUMP	Object: MINING OPERATIONS
Irrigation—Crops:	Area: Vol. Water:
License Current to:—	Remarks:
30.9.1986	
30.9.1989	

QWRC 513
79242/8/79—3M—P/L—Govt. Printer, Qld.

RTI DL Release



MS Centre, Mt Carbine

To: File

From: SCO Date 5/12/90 File: 2487

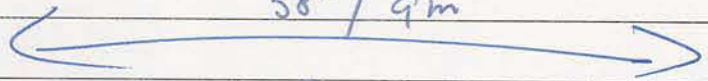
Copies to:

Subject: Reference:

Storage structures as numbered on photocopy of aerial photograph of mine site

① Return Water Dam.

38° / 9m



Height 5.54 m

Storage capacity > 50 ML.

∴ Refrable by dimension

Refrable dam assessment form and w/w licence application forms to forwarded

to Mr D. Wolff, Manager, Old Wolfram Pty. Ltd., M.S. Centre, Mt Carbine.

② No 4 Tailings Dam.

34° / 9 m

(Bywash 1.2 m below crest
2.6m + 4.0m wide)

Height 5.03 m (water level 13.9.89
2.2m below crest)

Storage capacity > 50 ML.

∴ Refrable by dimension

As for ① above.

③ Turkey Nest Dam.

30° / 8.7m

Subsequent noting:

Height 4.35 m

Storage capacity 240 ML.

Not refrable. Not a safety hazard. No action required.

2/-

Subsequent survey determined storage capacity to be less than dam refrability criteria have not been met. Structure not a determined w/course ∴ no licensing required 17/9/90

sch4p4(6) Personal information

To: _____

From: _____ Date / / File: _____

Copies to: _____

Subject: _____ Reference: _____

④ Old water storage dam

< 5m / 50ml. No action required

⑤ U/T Holmes creek dam

33° / 8.4 m

Height 4.57m

Storage capacity < 50 ML

∴ Not Referrable by dimension

⑥ No 3 Tailings dam

Contents are waste rock from crushing plant. No action required

sch4p4(6) Personal information



Subsequent noting: _____

WATER RESOURCES COMMISSION - OFFICE MEMO.

1

To: File

From: SCO

Date 2/2/90 File: 3668 / 2487

Copies to:

Subject: W/W licenses OLD WOLFRAM PTY LTD Reference:

MT. Carbine

license No. 46690 - file 3668

Issued 30.5.86

Expiry 30.9.89.

M.W. 2558 Parish of Maple.

Pump on Mitchell river.

150mm centrifugal pump

Make

IEL Model VRD 656 - Pump

Make

General Motors 6Cy Diesel / - motor

Recommend renewal as requested.

On file 3668, Done, etc.

license No 35845 - file 2487

Issued 12.12.79

Expiry 30.9.88

M.W. 2523 Parish of Maple

Storage on O/T Manganese creek

5m E.D

Structure has been obliterated by waste rock fill. Recommend cancellation

See No 3 tailings dam (C) on photocopy of mine area

Subsequent Noting:

2/

To: _____

From: _____

Date 2/2/96 File: _____

Copies to: _____

Subject: _____

Reference: _____

license No 35846 - file 2487 ✓

Issued 12.12.79

Expiry 30.9.88

M.W. 2523, Parish of Maple

Diversion on U/T Manganese creek

1.0m diversion

Structure has been obliterated by
wash rock fill. Recommend cancellation

As for w/w lic no. 35845, (6)

license No 44215 - file 2487 ✓

Issued 15.11.83

Expiry 30.9.89

M.W. 2708 to Mw 2523, Parish of Maple

Pump on Holmes creek.

80mm Centrifugal pump

Pump removed, cancellation requested
Recommend cancellation.

Subsequent Noting: _____

3/-

To: _____

From: _____ Date 2/2/89 File: _____

Copies to: _____

Subject: _____ Reference: _____

license No 44216 - file 2487 ✓
 Issued 15.11.83
 Expiry 30.9.89
 Mh 2523, Parish of Maple
 Pump on U/T Holmes creek.
 100mm centrifugal pump
 Pump is located on storage U/T
 Holmes creek, U/T Holmes creek is not
 a feeder course. (5)
Recommend cancellation

license No 44217 - file
 Issued 15.11.83
 Expiry 30.9.89
 M.h. 2523, Parish of Maple
 Storage on U/T Holmes creek
 5m E.D., storage capacity 20 ML.
 8.4m/33°
 Height 4.57m.

Subsequent Noting: Dam is not referable by dimension
 or content. (5)

Dam is not constructed on a watercourse
Recommend cancellation.

sch4p4(6) Personal information



*See report for 1965/86 financial
year - National Bank (NS)*

MS140
 MT CARBINE FR 04 MAG 686 2900m ASL
 30-4-85



WATERWORKS LICENSE. **G** PERSONAL CARD.

Name: QUEENSLAND WOLFRAM PTY. LTD.	Application No.: 410 2252
Address: P.M.B. 13, Cairns Q 4870	Date Received: 17.10.1979
	License No.: 35845
	Date Issued: 12.12.1979
	File No. M.R.O. 2487
Portion: M.L. 2523 (MARBEEBA)	#10 (49478)
Parish: MAPPE	County: DAGMAR
Watercourse: UNNAMED TRIBUTARY OF MANGANESE CREEK	Classification: 9.19.4.24 + A.M.T.M.:
Work—Nature: 5.0m EARTH DAM	Object: STREAM DIVERSION.
Irrigation—Crops:	Area: Vol. Water:

License Current to:—	Remarks:
30.9.1988	

QWRC 513
79242/8/79—3M—P/L—Govt. Printer, Qld.

RTI DL Release

EXPIRY NOTICE
WATERWORKS LICENSE

22 SEP 1989

To the Licensee/s

You are advised that your license expires on the date shown hereunder. If application for renewal is not received by that date the license will lapse and an application for a new license for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

QUEENSLAND WOLFRAM PTY. LTD.
P.M.B. 13
CAIRNS Q 4870

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
27 SEP 89	
DOC. No.	
FILE	REFER
2487	A0 R

LICENSE DETAILS

LICENSE NUMBER 44215 ✓ EXPIRY DATE 30.09.1989 FILE NUMBER 2487
DESCRIPTION OF WORKS 80mm CENTRIFUGAL PUMP

LOCATION	DESCRIPTION	M.L. 2708 (MAREEBA)	COUNTY	DAGMAR
	PARISH	MAPPE		
TO SUPPLY	DESCRIPTION	M.L. 2523 (MAREEBA)	COUNTY	DAGMAR
	PARISH	MAPPE		
NAME OF WATERCOURSE	HOLMES CREEK 919.04.23+			

APPLICATION FOR RENEWAL/REQUEST FOR CANCELLATION

1. Is Renewal of License Required YES NO
If No Please give Reason

If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your license. However your Signature is still required below.

2. Are works installed at present? YES NO
If No Please give Reason No LONGER REQUIRED

(For Office Use Only)

RENEW TO	
/ /	
REGULATED	
YES	NO
METERED	
YES	NO
HECTARES	
MEGALITRES	
APPROVED BY	
<i>Cancelled Approval</i>	
sch4p4(6) Personal information	
COMPUTER INPUT	
✓	
DATE RENEWED	
7-3-90	

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE PLEASE CANCEL, 2.2.90
Dagmar Water

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON/METHOD OF IRRIGATION

CROP				
HECTARES				
METHOD				

SIGNATURE s.78B(2) DATE 26-9-89

WL006

EXPIRY NOTICE
WATERWORKS LICENSE

22 SEP 1989

To the Licensee/s

You are advised that your license expires on the date shown hereunder. If application for renewal is not received by that date the license will lapse and an application for a new license for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

QUEENSLAND WOLFRAM PTY. LTD.
 P.M.B. 13
 CAIRNS Q 4870

LICENSE DETAILS

LICENSE NUMBER 44216/ EXPIRY DATE 30.09.1989 FILE NUMBER 2487
 DESCRIPTION OF WORKS 100mm CENTRIFUGAL PUMP

LOCATION	DESCRIPTION	M.L. 2523 (MAREEBA)	COUNTY	DAGMAR
	PARISH	MAPPE		
TO SUPPLY	DESCRIPTION	M.L. 2523 (MAREEBA)	COUNTY	DAGMAR
	PARISH	MAPPE		
NAME OF WATERCOURSE	UNNAMED TRIBUTARY OF HOLMES CREEK 919.04.23++			

APPLICATION FOR RENEWAL/REQUEST FOR CANCELLATION

1. Is Renewal of License Required YES NO
 If No Please give Reason

If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your license. However your Signature is still required below.

2. Are works installed at present? YES NO
 If No Please give Reason

(For Office Use Only)

RENEW TO	
/ /	
REGULATED	
YES	NO
METERED	
YES	NO
HECTARES	
MEGALITRES	
APPROVED BY	
sch4p4(6) Personal information	
COMPUTER INPUT	
✓ pc	
DATE RENEWED	
7.3.90	

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE
Please advise cancellation to 80 mm Ø. See next page.

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON/METHOD OF IRRIGATION

CROP				
HECTARES				
METHOD				

SIGNATURE *[Redacted]* DATE 26-9-89

WL006

EXPIRY NOTICE
WATERWORKS LICENSE

22 SEP 1989

To the Licensee/s

You are advised that your license expires on the date shown hereunder. If application for renewal is not received by that date the license will lapse and an application for a new license for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

QUEENSLAND WOLFRAM PTY. LTD.
P.M.B. 13
CAIRNS Q 4870

LICENSE DETAILS

LICENSE NUMBER 44217 / EXPIRY DATE 30.09.1989 FILE NUMBER 2487
DESCRIPTION OF WORKS EARTH DAM
Maximum Height above Bed Level 5.0 m
Length of Crest 90.0 m
Width at Crest 5.0 m
Width at Base 15.0 m
Height of Bywash 3.5 m
Width of Bywash 15.0 m
Storage Capacity approx. 20 ML

LOCATION DESCRIPTION M.L. 2523 (MAREEBA) COUNTY DAGMAR
PARISH MAPPE
TO SUPPLY DESCRIPTION
PARISH COUNTY
NAME OF WATERCOURSE UNNAMED TRIBUTARY OF HOLMES CREEK 919.04.23++

APPLICATION FOR RENEWAL/REQUEST FOR CANCELLATION

1. Is Renewal of License Required YES NO
If No Please give Reason
- If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your license. However your Signature is still required below.
2. Are works installed at present? YES NO
If No Please give Reason

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE

Do not renew at this point in time just cancellation 2.2.90

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON/METHOD OF IRRIGATION

CROP				
HECTARES				
METHOD				

SIGNATURE *s.78B(2)* DATE *26-9-89*

(For Office Use Only)

RENEW TO / /

REGULATED
YES NO

METERED
YES NO

HECTARES

MEGALITRES

APPROVED BY *[Signature]*

COMPUTER INPUT *✓ Rv*

DATE RENEWED *7-3-90*

sch4p4(6) Personal information

WL006

EXPIRY NOTICE
WATERWORKS LICENSE

P.O. BOX 156
MAREEBA NQ 4880

To the Licensee/s

You are advised that your license expires on the date shown hereunder. If application for renewal is not received by that date the license will lapse and an application for a new license for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

C/N 15423

THE MANAGER
QUEENSLAND WOLFRAM PTY. LTD.
P.M.B. 13
CAIRNS
QLD 4870

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
30 AUG 1989	
DCS. 175	
FILE	REFER
3668	AO R

LICENSE DETAILS

LICENSE NUMBER 46690 EXPIRY DATE 30/9/1989 FILE NUMBER

DESCRIPTION OF WORKS
150 MILLIMETRE CENTRIFUGAL PUMP CAPABLE OF PUMPING A
MAXIMUM OF ___ LITRES PER SECOND AGAINST ___ METRES HEAD.
MOTOR TYPE : PUMP MAKE :
MOTOR MAKE : PUMP MODEL :
MOTOR MODEL : PUMP YEAR :
MOTOR YEAR : PUMP R.P.M. :
POWER : KW

LOCATION DESCRIPTION M.L. 2558 (MAREEBA)
PARISH MAPPE COUNTY DAGMAR
TO SUPPLY DESCRIPTION M.L. 2558 (MAREEBA)
PARISH MAPPE COUNTY DAGMAR
NAME OF WATERCOURSE MITCHELL RIVER
NGM. ALLOC. : 0 ML

APPLICATION FOR RENEWAL/REQUEST FOR CANCELLATION

1. Is Renewal of License Required
If No Please give Reason YES NO
If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your license. However your Signature is still required below.
2. Are works installed at present?
If No Please give Reason YES NO

(For Office Use Only)

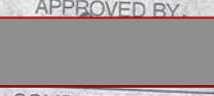
RENEW TO
30/9/1992

REGULATED
 YES NO

METERED
 YES NO

HECTARES

MEGALITRES

APPROVED BY


COMPUTER INPUT

DATE RENEWED
28-2-90

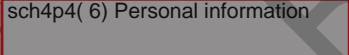
ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE

AMTD 541.0 R

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON/METHOD OF IRRIGATION

CROP	HECTARES	METHOD

SIGNATURE  sch4p4(6) Personal information

DATE *29-8-89*

To: SSCO + file

From: SCO

Date 5/7/89 File 2487

Copies to:

Subject: w/w licenses held by Qld.

Reference:

Wolfram Pty LTD

Ray,

- w/w lic's 35845/6 are due for renewal.

- Visited site on 4.7.89 + spoke to MR D. Wolffe. The entire layout of the mine site has altered since original issue in 1979.

- It is now recommended that these licenses be held over (i.e. not renewed) until w/w lic's 44215/6/7 are due for renewal 30.9.89. (original issue 1983)

- I told Wolffe that we would inspect the mine site + determine which licenses need to be renewed + if any new licenses need to be applied for.

- Inspection may be carried out Sept, Oct?

Steve

Mines Dept. requested Qld Wolfram have a heavy metal analysis done on water in tailings dam

Subsequent Noting:

Anne Waskley 5/8/89

King Qld Wolfram re Water Analysis.

943157

Done SWB 5.7.89

EXPIRY NOTICE
WATERWORKS LICENSE

To the Licensee/s

1 SEP 1988

You are advised that your license expires on the date shown hereunder. If application for renewal is not received by that date the license will lapse and an application for a new license for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

QUEENSLAND WOLFRAM P/L AND
PMB 13 Poseidon Minerals Limited
CAIRNS QLD 4870

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
- 7 SEP 1988	
DOC. No.	
FILE	REFER
1484	A 10

LICENSE DETAILS

LICENSE NUMBER 35845 EXPIRY DATE 30/9/1988 FILE NUMBER 1484

DESCRIPTION OF WORKS

AN EARTH DAM WITH THE FOLLOWING DIMENSIONS:

HEIGHT TO TOP : 5.0 m	BYWASH HEIGHT : 4.0 m
BASE WIDTH : 36.0 m	BYWASH WIDTH : 2.0 m
CREST WIDTH : 16.0 m	OUTLET DIAMETER: mm
CREST LENGTH : 120 m	CAPACITY : 0 ML

LOCATION DESCRIPTION M.L. 2523 (MAREEBA)
PARISH RIFLEMEAD COUNTY DAGMAR
TO SUPPLY DESCRIPTION MANG
PARISH COUNTY
NAME OF WATERCOURSE UT MANGANESE CREEK

APPLICATION FOR RENEWAL/REQUEST FOR CANCELLATION

1. Is Renewal of License Required YES NO
If No Please give Reason
- If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your license. However your Signature is still required below.
2. Are works installed at present? YES NO
If No Please give Reason

(For Office Use Only)

RENEW TO	
30/9/91	
REGULATED	
YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
METERED	
YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
HECTARES	
MEGALITRES	
APPROVED BY	
[Signature]	
COMPUTER INPUT	
DATE RENEWED	
7-3-90	

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE

*Examples to 2 answers * This renewal should be on file 2487 + all correspondence relating to this license. Done*

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON/METHOD OF IRRIGATION

CROP				
HECTARES				
METHOD				

SIGNATURE [Redacted] DATE 5th September, 1988

WL008

WATERWORKS LICENSE. **G** PERSONAL CARD.

Name: QUEENSLAND WOLFRAM PTY. LTD.	Application No.: M/D 2253
Address: P.M.B. 13, Cairns Q4870	Date Received: 17.10.1979
	License No.: 35846
	Date Issued: 12.12.1979
Portion: M.L. 2523 (MAREEBA)	File No. MRO 2487
Parish: MAPPE	" #10 (L49478)
Watercourse: UNNAMED TRIBUTARY OF MANGANESSE CREEK	County: DAGMAR
Work—Nature: 1.0m deep DIVERSION CHANNEL	Classification: Q.19.4.24 A.M.T.M.:
Irrigation—Crops:	Object: STREAM DIVERSION
	Area: Vol. Water:

License Current to:—	Remarks:
30.9.1988	

QWRC 513
79242/8/79—3M—P/L—Govt. Printer, Qld.

RTI DL Release

EXPIRY NOTICE
WATERWORKS LICENSE

To the Licensee/s

You are advised that your license expires on the date shown hereunder. If application for renewal is not received by that date the license will lapse and an application for a new license for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.

QUEENSLAND WOLFRAM P/L
PMB 13
CAIRNS QLD 4870

WATER RESOURCES COMMISSION MAREEBA REGIONAL OFFICE	
3 MAR 1989	
DOC. No.	
FILE	REFER
1484 ✓	A0

LICENSE DETAILS

LICENSE NUMBER 35846 EXPIRY DATE 30/9/1988 FILE NUMBER
DESCRIPTION OF WORKS 1.0 m deep DIVERSION CHANNEL

LOCATION DESCRIPTION M.L. 2523 (MAREEBA)
PARISH MAPPE COUNTY DAGMAR
TO SUPPLY DESCRIPTION
PARISH COUNTY
NAME OF WATERCOURSE LT MANGANESE CREEK

APPLICATION FOR RENEWAL/REQUEST FOR CANCELLATION

1. Is Renewal of License Required YES NO
If No Please give Reason
- If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your license. However your Signature is still required below.
2. Are works installed at present? YES NO
If No Please give Reason

(For Office Use Only)

RENEW TO

REGULATED

YES NO

METERED

YES NO

HECTARES

MEGALITRES

APPROVED BY

sch4p4(6) Personal information

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE

Cancellation approved

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON/METHOD OF IRRIGATION

CROP				
HECTARES				
METHOD				

sch4p4(6) Personal information

SIGNATURE

DATE 1st March, 1989

COMPUTER INPUT

✓ PL

DATE RENEWED



EXPIRY NOTICE WATERWORKS LICENSE

To the Licensee/s

Your Waterworks License has now expired and an application for renewal has not been received. If a renewal application is received at this office within four months of the date of expiry, the license may be renewed at the discretion of the Commissioner. If no application is received by this date the license will be cancelled. In either case, please complete the details below and forward to the above address.

QUEENSLAND WOLFRAM P/L
PMB 13
CAIRNS QLD 4870

LICENSE DETAILS

LICENSE NUMBER 35846 EXPIRY DATE 30/9/1988 FILE NUMBER 1484
DESCRIPTION OF WORKS 1.0 m deep DIVERSION CHANNEL

LOCATION DESCRIPTION M.L. 2523 (MAREEBA)
PARISH MAPPE COUNTY DAGMAR
TO SUPPLY DESCRIPTION
PARISH COUNTY
NAME OF WATERCOURSE LT MANGANESE CREEK

APPLICATION FOR RENEWAL/REQUEST FOR CANCELLATION

1. Is Renewal of License Required YES NO
If No Please give Reason
- If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your license. However your Signature is still required below.
2. Are works installed at present? YES NO
If No Please give Reason

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS:

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON/METHOD OF IRRIGATION

CROP				
HECTARES				
METHOD				

SIGNATURE DATE

(For Office Use Only)

RENEW TO
/ /
REGULATED
YES NO
METERED
YES NO
HECTARES
MEGALITRES
APPROVED BY
COMPUTER INPUT
DATE RENEWED

2487

r. R. Walsh

LLB

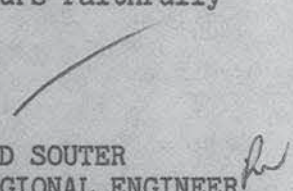
7th July 1987

The Manager
Queensland Wolfram Pty Ltd
P M B 13
CAIRNS QLD 4870

Dear Sir

Your request for an inspection of a proposed dam site by an officer of this Commission has been noted. At this time the inspecting officer is fully committed, however in due course you will be contacted to set a mutually agreeable time.

Yours faithfully


W D SOUTER
REGIONAL ENGINEER

RTI DL Release

3668

r W G Fossett

JPT

30th May 1986

The Manager
Queensland Wolfram Pty Ltd
P M B 13
CAIRNS Q 4870

Dear Sir

WATERWORKS LICENSE No. 46690
DATE OF EXPIRATION 30.9.1989

Attached is the above license granted under the provisions of the Water Act 1926-1983, and your attention is drawn to the Schedule of Conditions thereon.

If the work is still installed at the date of expiration it will be necessary to apply to renew the license for a further period.

Because your license is an important document, care should be taken to preserve it.

Yours faithfully

s.78B(2)

B/C Regional Engineer
Water Quality Council of Queensland
P O Box 1880
TOWNSVILLE Q4810

A copy of the license is attached for your information.

W.D.
W.D. SOUTER
REGIONAL ENGINEER

W.D. SOUTER
REGIONAL ENGINEER



QUEENSLAND WOLFRAM PTY. LTD.

Incorporated in Queensland

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
19 MAY 1987	
DOC. No. 2621	
FILE 2487	D/REFER s/c/o

HEAD OFFICE

588 ST. Kilda road
Melbourne
Victoria 3004
Tel. 03 529 3022

MINE OFFICE

Mt. Carbine

POSTAL ADDRESS

P.M.B. 13,
Cairns Qld. 4870
TEL. 070 94 3155
TELEX AA48862
FACSIMILE 070 94 3150

The Regional Engineer,
Queensland Water Resources Commission,
167 Walsh Street,
MAREEBA. Q. 4880

13th May, 1987.

Dear Sir,

Although we are not currently operating, but maintaining a presence with a "care and maintenance" programme, we are nevertheless investigating the possibility of retreating old tailings.

To retreat old tailings will require the construction of another dam (No. 5) and we have in mind that area immediately to the south of the existing No. 4 dam. Naturally, if we find that retreatment of tailings is viable we would apply in the normal way for permission to construct, and also seek approval from the land owner, as before with No. 4 dam.

In the mean time, however, we draw your attention to our plans and ask if one of your officers could visit us, inspect the site, and advise us as necessary.

Yours faithfully,

s.78B(2)

D. Wolff,
MINE MANAGER.

2487

iss V M Peressini

TS

10th September 1986

The Manager
Queensland Wolfram Pty Ltd
P.M.B. 13
CAIRNS QLD 4870

Dear Sir

WATERWORKS LICENSES NO S. 44215 TO 44217

Attached are duplicates of the above licenses which have been renewed for a further period of time.

You are reminded that the provisions of the Clean Waters Act, 1971-1981 apply with respect to any discharges into watercourses from your mining operations.

Yours fiathfully

s.78B(2)

W D SOUTER
REGIONAL ENGINEER

RTI DL Release

WATERWORKS LICENSE

QUEENSLAND WATER RESOURCES COMMISSION
P O BOX 156, MAREEBA QLD 4880

QUEENSLAND WOLFRAM PTY LTD
P M B 13
CAIRNS QLD 4870

License Number 44215 Expiry Date 30.9.1989 File Number 2487

Description of Works 80 mm CENTRIFUGAL PUMP

Location of Works Portions M.L. 2708 (MAREEBA)
 Parish MAPPE
 County DAGMAR

To Supply Portions M.L. 2523 (MAREEBA)
 Parish MAPPE
 County DAGMAR

Name of Watercourse HOLMES CREEK 919.04.23+

Purpose of Works MINING OPERATIONS

Crops to be Irrigated -

Date of Original Issue 15.11.1983

The work described hereon, and referred to in the application and plans and descriptions deposited by or on behalf of the abovenamed licensee, as finally approved, is hereby declared to be a licensed work under The Water Act 1926 — ~~1974~~ 1986 subject to the terms, limitations and conditions appearing on the Schedule hereto.

DUPLICATE

Issued at MAREEBA this TENTH day of

SEPTEMBER 19 86

sch4p4(6) Personal information

Authorised Officer

WL001

WATERWORKS LICENSE

QUEENSLAND WATER RESOURCES COMMISSION
P O BOX 156, MAREEBA QLD 4880

QUEENSLAND WOLFRAM PTY LTD
P M B 13
CAIRNS QLD 4870

License Number 44216 Expiry Date 30.9.1989 File Number 2487

Description of Works 100 mm CENTRIFUGAL PUMP

Location of Works Portions M.L. 2523 (MAREEBA)
Parish MAPPE
County DAGMAR

To Supply Portions M.L. 2523 (MAREEBA)
Parish MAPPE
County DAGMAR

Name of Watercourse UNNAMED TRIBUTARY OF HOLMES CREEK 919.04.23++

Purpose of Works MINING OPERATIONS

Crops to be Irrigated -

Date of Original Issue 15.11.1983

The work described hereon, and referred to in the application and plans and descriptions deposited by or on behalf of the abovenamed licensee, as finally approved, is hereby declared to be a licensed work under The Water Act 1926 — 1986 subject to the terms, limitations and conditions appearing on the Schedule hereto.

DUPLICATE

Issued at MAREEBA this TENTH day of

SEPTEMBER 19 86

sch4p4(6) Personal information

WL001

Authorised Officer

WATERWORKS LICENSE

QUEENSLAND WATER RESOURCES COMMISSION
P O BOX 156, MAREEBA QLD 4880

QUEENSLAND WOLFRAM PTY LTD
P M B 13
CAIRNS QLD 4870

License Number 44217 Expiry Date 30.9.1989 File Number 2487

Description of Works

EARTH DAM

Maxamim Height above Bed Level 5.0 m
Length of Crest 90.0 m
Width at Crest 5.0 m
Width at Base 15.0 m
Height of Bywash 3.5 m
Width of Bywash 15.00m
Storage Capacity approx. 20 ML

Location of Works

Portions
Parish
County

M.L. 2523 (MAREEBA)
MAPPE
DAGMAR

To Supply

Portions
Parish
County

Name of Watercourse

UNNAMED TRIBUTARY OF HOLMES CREEK 919.04.23++

Purpose of Works

WATER CONSERVATION FOR MINING OPERATIONS

Crops to be Irrigated

-

Date of Original Issue

15.11.1983

The work described hereon, and referred to in the application and plans and descriptions deposited by or on behalf of the abovenamed licensee, as finally approved, is hereby declared to be a licensed work under The Water Act 1926 — 1979, subject to the terms, limitations and conditions appearing on the Schedule hereto.

DUPLICATE

Issued at MAREEBA this TENTH day of

SEPTEMBER 19 86

sch4p4(6) Personal information

Authorized Officer

WL003



QUEENSLAND WOLFRAM PTY. LTD.

Incorporated in Queensland

HEAD OFFICE
568 ST. Kilda road
Melbourne
Victoria 3004
Tel. 03 529 3022

MINE OFFICE
Mt. Carbine

POSTAL ADDRESS
P.M.B. 13,
Cairns Qld. 4870
TEL. 070 94 3155
TELEX AA48862
FACSIMILE 070 94 3150

3rd September, 1986

Mr. W.D. Souter,
Regional Engineer,
Queensland Water Resources Commission,
P.O. Box 156,
MAREEBA, Q. 4880

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
8 SEP 1986	
DOC. No. 3611	
FILE	REFER
2487	C/L

Att: Mr. W. Fossett

Dear Sir,

We enclose completed Renewal of Licence Applications in respect of licences 644215, 644216, 644217, which cover works on ML 2708 and ML 2523 in the Holmes Creek area, and trust they are satisfactory.

Yours faithfully,



D. WOLFF
MINE MANAGER

RTI DL Release

**EXPIRY NOTICE
WATERWORKS LICENCE**

QUEENSLAND WATER RESOURCES COMMISSION
PO BOX 156
MAREEBA 4880

To the Licensee/s

- 1 SEP 1986

You are advised that your licence expires on the date shown hereunder. If application for renewal is not received by that date the licence will lapse and an application for a new licence for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.



QUEENSLAND WOLFRAM PTY LTD
PMB 13
CAIRNS Q 4870

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
8 SEP 1986	
DOC. No.	
FILE	REFER
2487	C/L

LICENCE DETAILS

LICENCE NUMBER 644215 EXPIRY DATE 30/09/1986 FILE NUMBER 2487
 DESCRIPTION OF WORKS 80 MM CENTRIFUGAL PUMP
 LOCATION OF WORKS PORTION ML2708 (MAREEBA) COUNTY DAGMAR
 PARISH MAPPE
 TO SUPPLY PORTION ML2523 (MAREEBA) COUNTY DAGMAR
 PARISH MAPPE
 NAME OF WATERCOURSE HOLMES CK

APPLICATION FOR RENEWAL/ADVICE OF CANCELLATION

1. Is Renewal of Licence Required? YES NO
 If No Please give Reason

If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your licence. However your Signature is still required below.

2. Are works installed at present? YES NO
 If No Please give Reason

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON

CROP	HECTARES				

SIGNATURE *Raymond Woff* DATE *3rd September 1986*

(For Office Use Only)

RENEW TO *30/9/1989* REGULATED? ~~YES~~ NO : METERED? ~~YES~~ NO

HECTARES	MEGALITRES	APPROVED BY	COMPUTER INPUT	DATE RENEWED
<i>MINING</i>		<i>3 apples</i>	<i>Personal card stream card</i>	<i>10.9.1986</i>

sch4p4(6) Personal information
sch4p4(6) Personal information
s.78B(2)

**EXPIRY NOTICE
WATERWORKS LICENCE**

QUEENSLAND WATER RESOURCES COMMISSION
PO BOX 156
MAREEBA 4880

To the Licensee/s

- 1 SEP 1986

You are advised that your licence expires on the date shown hereunder. If application for renewal is not received by that date the licence will lapse and an application for a new licence for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.



QUEENSLAND WOLFRAM PTY LTD
PMB 13
CAIRNS Q 4870

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
8 SEP 1986	
DOC. No.	
FILE	REFER
2487	C/L

LICENCE DETAILS

LICENCE NUMBER **644216** EXPIRY DATE **30/09/1986** FILE NUMBER **2487**
 DESCRIPTION OF WORKS **100 MM CENTRIFUGAL PUMP**
 LOCATION OF WORKS PORTION **ML2523 (MAREEBA)** COUNTY **DAGMAR**
 TO SUPPLY PARISH **MAPPE** COUNTY **DAGMAR**
 NAME OF WATERCOURSE **UT HOLMES CK**

APPLICATION FOR RENEWAL/ADVICE OF CANCELLATION

1. Is Renewal of Licence Required? YES NO
 If No Please give Reason

If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your licence. However your Signature is still required below.

2. Are works installed at present? YES NO
 If No Please give Reason

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON

CROP	HECTARES

SIGNATURE s.78B(2) DATE 3rd September, 1986

(For Office Use Only)

RENEW TO 30/9/1989 REGULATED? YES NO : METERED? YES NO

HECTARES	MEGALITRES	APPROVED BY	COMPUTER INPUT	DATE RENEWED
<u>MINING</u>				<u>10/09.1986</u>

Personal Card
Stream Card

sch4p4(6) Personal information

**EXPIRY NOTICE
WATERWORKS LICENCE**

QUEENSLAND WATER RESOURCES COMMISSION
PO BOX 156
MAREEBA 4880

To the Licensee/s

- 1 SEP 1986

You are advised that your licence expires on the date shown hereunder. If application for renewal is not received by that date the licence will lapse and an application for a new licence for the works may be required. If renewal or cancellation is required please complete the details below and forward to the above address.



QUEENSLAND WOLFRAM PTY LTD
PMB 13
CAIRNS Q 4870

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
8 SEP 1986	
DOG. No.	
FILE	REFER
2487	C/L

LICENCE DETAILS

LICENCE NUMBER **644217** EXPIRY DATE **30/09/1986** FILE NUMBER **2487**
 DESCRIPTION OF WORKS **DAM - EARTH**
 LOCATION OF WORKS PORTION **ML 2523 (MAREEBA)** COUNTY **DAGMAR**
 TO SUPPLY PARISH **MAPPE** COUNTY
 NAME OF WATERCOURSE **UT HOLMES CK**

APPLICATION FOR RENEWAL/ADVICE OF CANCELLATION

1. Is Renewal of Licence Required? YES NO
 If No Please give Reason

If the answer to Question 1 was "NO" further information is not required and steps will be taken to cancel your licence. However your Signature is still required below.

2. Are works installed at present? YES NO
 If No Please give Reason

ALTERATION TO DESCRIPTION AND/OR LOCATION OF WORKS

PLEASE ADVISE OF ANY CHANGES TO DETAILS LISTED ABOVE

CROPS TO BE IRRIGATED IN ANY ONE GROWING SEASON

CROP	HECTARES

SIGNATURE s.78B(2) DATE 3rd September, 1986

(For Office Use Only)

RENEW TO 30/9/1989 REGULATED? ~~YES~~ NO : METERED? ~~YES~~ NO

HECTARES	MEGALITRES	APPROVED BY	COMPUTER INPUT	DATE RENEWED
<u>MINING</u>		<u>sch4p4(6) Personal informatio</u>		<u>10.9.1986</u>

Pyromal Cwd
Stream Cwd

To: ENGINEER R. KREBS AND CLERK LICENSING W. FOSSETT

From: S/C/O W. LIDDELL

Date 27/5/86 File 3668

LLB

Copies to:

Subject: WATERWORKS LICENSE APPLICATION NO. 46690 - 150mm CENTRIFUGAL PUMP - MITCHELL RIVER - QUEENSLAND WOLFRAM PTY. LTD.

This application is for a pump to be installed on the Mitchell River on Mining Lease 2558 (Mareeba) for the purpose of alluvial tin mining. Although the application is in the name of Queensland Wolfram the actual tin mine will be operated by a Tom Edwards. On my inspection to the area this morning I interviewed Mr. Edward's son, Michael.

It would appear that there is a small deposit of high yielding tin bearing ground on M.L. 2558 (Mareeba) and Mr. Edwards proposes to work this ground by way of a tribute agreement with Queensland Wolfram. His plant is at present being erected on a hillside adjacent the right bank of the stream in order that tailings may be deposited in a depression below the alluvial tin washing plant. No pumping plant to be used by Mr. Edwards is presently installed but I was shown the position where it will be located. This pump site is approximately 20m downstream from the pump used to supply water to the Wolfram Mine at Mount Carbine.

The Mitchell River at these pump positions is a strong flowing permanent stream where there have never been water shortages since I have been based in the Mareeba Regional office. There are no gauging stations on the Mitchell River upstream from these pump positions but the lowest recorded flow on two tributaries upstream are:-

- 1. Mary Creek at Mary Farms October 1971 - 0.05 cumecs
- 2. Rifle Creek at Font Hill November 1971 - 0.95 cumecs

This would seem to indicate that we have no reason to refuse the application and as there were no objections it is my recommendation that the application be approved and a license for a 150mm Centrifugal pump be issued to the applicant.

sch4p4(6) Personal information

W. LIDDELL
STREAM CONTROL OFFICER

Subsequent Noting:

Noted
WIK 29.5.86

QUEENSLAND WATER RESOURCES COMMISSION
 REPORT ON APPLICATION FOR WATERWORKS LICENSE

PUMPS

DATE RECEIVED	APPLICATION N ^o	ADVERTISING FEE	NEWSPAPER	DATE ADVERTISED
17.4.1986	46690	C.33636 17.4.1986	CAIRNS POST	26.4.1986

OBJECTIONS		DATE	
DATE CLOSED	RECEIVED FROM	RECEIVED	ACKNOWLEDGED
16.5.1986	NIL	—	—

REMARKS General Location _____ A.M.T.D. _____ km Map _____
 Is Applicant Riparian * YES/NO _____ Work * PROPOSED/EXISTING _____
 Licenses on Property NIL

 _____ Method * SURFACE / SPRAY _____
 DISTRICT OFFICE _____ W.A.B. _____

NAME QUEENSLAND WOLFRAM PTY. LTD.
 ADDRESS P.M.B. 13, CAIRNS Q4870

LICENSE NUMBER	EXPIRY DATE	FILE N ^o
46690	30.9.1989	3668

WORK Size and Type 150mm CENTRIFUGAL PUMP
 * AREA to be Irrigated _____ hectares. * ANNUAL Water Allocation _____ Megalitres

LOCATION OF WORK Portion M.L. 2558 (MAREEBA)
 Parish MAPPE County DAGMAR

TO SUPPLY Portion M.L. 2558 (MAREEBA)
 Parish MAPPE County DAGMAR

WATERCOURSE MITCHELL RIVER Classification 9.19.4
 PURPOSE OF WORK MINING OPERATIONS

CROPS IRRIGATED _____
 ISSUED AT MAREEBA this THIRTIETH day of MAY 19 86

COMMENT	RECOMMENDATION
<u>B/c Water Quality Council</u>	By <u>Whidell</u> Date <u>28/5/86</u> * (1) Issue Pump License (WLOO1) with details as above * <u>Special Conditions</u> * (2) <u>Application to be refused and Right of Appeal given</u> * <u>Grounds of Refusal</u> (6) Personal Information
Personal Card	
Stream Card	
D.P.S. PHOTO	Approved by _____ Date <u>28/5/86</u>

245P

* Strike out that not applicable

WATER ACT 1926-1983

QUEENSLAND WATER RESOURCES
M.A. MEREDITH
REGIONAL OFFICE

APPLICATIONS for licenses:—

Application No.	Name of Applicant	Portion	Parish	County	Watercourse	Nature of Work	Object of Work	Area
44773	Cooroy Golf Club	Portion 33	Tewantin	March	Unnamed tributary of Six Mile Creek	1.5 m high concrete weir	Water conservation for irrigation (See footnote (a))	24 ha
44774	ditto	ditto	ditto	ditto	ditto	2.5 m high concrete weir	Water conservation for irrigation (See footnote (b))	REFER
44783	Kapernick, R. R. and P. R.	Lot 2 on R. P. 193392	Barambah	Fitzroy	Barambah Creek	80 mm centrifugal pump	Irrigation	24 ha
44784	Cronin, T. J. and J. M.	Portion 3V	Coolabunia	Fitzroy	Barkers Creek	50 mm centrifugal pump	Irrigation	10 ha
44785	Viner, H. K. and A. M.	Portion 249	Woodum	March	Jam Tin Creek	6.5 m high earth dam	Water conservation	
46686	James Finlay Australia Pty. Ltd. and Clyde Agriculture Pty. Ltd.	Portion 26	Gadgarra	Nares	Unnamed Tributary of West Butcher Creek	50 mm helical rotor Pump	Irrigation	2 ha
46687	Huntingford, D. and Keegan, E.	Lot 4 on R.P. 742716 (original portion 278)	Cairns	Nares	Freshwater Creek	32 mm centrifugal pump	Irrigation	1 ha
46688	Nanyetta Community Advancement Co-op. Society Ltd.	Pump on sub. 94 of portion 60 to supply subs. 94 and 95 of portion 60	Ravenshoe	Cardwell	North Cedar Creek	40 mm centrifugal pump	Irrigation	1 ha
46689	Sultana, J. V. and J.	Portion 52	Glady	Nares	Unnamed Tributary of Johnstone River	50 mm centrifugal pump	Irrigation	5 ha
46690	Queensland Wolfram Pty. Ltd.	M.L. 2558 (Mareeba)	Mapee	Dagmar	Mitchell River	150 mm centrifugal pump	Mining operations	
43323	Hill, J. W. and Ferguson, G. A.		Briarie and Cowigella	Belmore	Culgoa River	4 m x 38 mm earth, concrete and rock weir	Water conservation for irrigation	
42436	Floean, V. and B.	Pump on sub. 21 of portion 59 to supply Lot 1 on R.P. 149206	Cedar	Ward	Guanaba Creek	40 m centrifugal pump	Irrigation and domestic (See footnote (c))	1 ha
46530	Cameron, D. B. and S. C.	Lot 2 on R. P. 154170	Mooloolah	Canning	Paynter Creek	1.2 m high concrete weir	Water conservation for irrigation	
46548	Foelz, N. E. and I. J.	Pump on Road Reserve to supply lot 4 on R.P. 198801	Dugandan	Ward	Teviot Brook	80 mm x 100 mm piston pump	Stockwater	
46522	From, L. J.	Pump on portion 37 to supply portions 37, 36 and 36A and subs. 8, 9 and 17 of portion 93	Buaraba	Cavendish	Yellow Gully	150 mm centrifugal pump	Irrigation	200 ha
46523	ditto	Portion 37	Buaraba	Cavendish	Yellow Gully	10m high earth dam	Water conservation for irrigation	
46524	ditto	ditto	ditto	ditto	ditto	2 m deep x 800 m long diversion channel	Stream diversion	
46525	ditto	Portion 36A	Buaraba	Cavendish	Yellow Gully	13 m high earth dam	Water conservation for irrigation	
46555	Gault, L. W. and C. M.	(a) resub. 3 of sub. 1A of portion 14 and (b) resub. 1 of sub. 1 or portions 19, 49 and 50 and sub. 3 of resub. 2 of sub. 1 of portions 19 and 49	(a) Colinton (b) Nears	(a) Cavendish (b) Canning	Brisbane River	80 mm centrifugal pump	Irrigation	50 ha
45549	Fyffe, M. J.	Lot 1 on R.P. 152534	Taylor	Churchill	Murphys Creek	40 mm centrifugal pump	Irrigation	2 ha
45111	Cantamessa, D.	Sub. 1 of portion 392 and resubs. 1 and 2 of sub. 2 of portion 392	Garrawalt	Cardwell	Gowrie Creek	100 mm centrifugal pump	Irrigation	24 ha
45112	Cantamessa, P. J.	Works on portion 102 to supply portions 102 and 103	Garrawalt	Cardwell	Gowrie Creek	100 mm centrifugal pump	Irrigation	10 ha
45113	Cavill, L. R. and J. V.	Lot 1 on R.P. 40915	Magenta	Elphinstone	Major Creek	80 mm centrifugal pump	Irrigation	14 ha
45114	ditto	ditto	ditto	ditto	ditto	3 m x 100 m sand dam	Water conservation for irrigation	
45115	ditto	Works on Lot 1 on R.P. 40915 to supply Lots 1 and 2 on R.P. 709204	Magenta	Elphinstone	Major Creek	50 mm centrifugal pump	Irrigation	16 ha
46171	Murphy, P. J. and S. L.	Portion 8	Gunn	Drake	Eaglefield Creek	2 m x 30 m weir, capacity 20 MI	Water diversion	
46172	ditto	ditto	ditto	ditto	Adjacent to Eaglefield Creek	1 m x 400 m diversion channel	Diversion of flood flows to a storage	
46173	ditto	ditto	ditto	ditto	Not on a watercourse	6 m x 4 000 m dam, capacity 4 000 MI	Water conservation for irrigation	

(a) This application was incorrectly advertised as Cooyar Golf Club.

(b) This application is to increase size of concrete weir authorised by license No. 33232 from 1.5 m high to 2.5 m high. Application was incorrectly advertised as Cooyar Golf Club.

(c) This application No. 42436 is to replace license No. 39678 which was cancelled due to failure to renew.

Any owner of land, abutting on the above watercourse, within a radius of eight kilometres upstream or twenty-four kilometres downstream of the applicant's lands, or where the work is not on a watercourse, within a radius of eight kilometres of the applicant's lands, may object in writing (giving the grounds for objection and quoting the Application No.) to such application being granted. The last date for receipt of objection is 23rd May, 1986, except Application Nos. 44773 and 44774 which is 24th April 1986 and Application Nos. 44783, 44784, 44785, 46686, 46687, 46688, 46689, 43323, 45549, 46171, 46172, 46173 which is 16th May, 1986.

Mineral House, 41 George Street, Brisbane

W. N. MEREDITH, Secretary to The Commissioner of Water Resources

Gov. Gaz., 3rd May, 1986, pages 315-16

S. R. Hampson, Government Printer, Queensland

APPLICATION FOR WATERWORKS LICENSE
(Schedule 1—Works Generally)

17 APR 1986
1693
FILE REFER
4/4
File No. 3668

TO THE COMMISSIONER OF WATER RESOURCES
G.P.O. BOX 2454,
BRISBANE, 4001

REGIONAL ENGINEER
QUEENSLAND WATER RESOURCES COMMISSION
P.O. BOX 156, MAREEBA, QLD., 4880



I/WE, Queensland Wolfram Pty Ltd of Mount Carbine
in the state of Queensland, being the owner/s (or lawful occupier/s) of land situated as described hereunder and shown on the accompanying plan, upon which land it is proposed to construct (or is constructed) and use the work described hereunder, do hereby apply for a License in respect of the said works to be used for the purpose of s.78B(2) on.

Dated this 10th day of APRIL, 1986
Signature of Applicant/s

NAME IN FULL (Block Letters) Mr. Queensland Wolfram Pty Ltd
(Owner/s or lawful occupier/s)

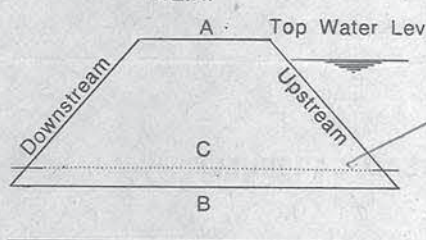
POSTAL ADDRESS P.M.B. 13 - CAIRNS - Q Phone No. (070) 943157

LOCATION OF WORK County Dagmar Parish Mapee
Work situated on Portion M.L. 2558 (Mareeba)
To supply water to Portion
State whether works are existing or proposed Proposed

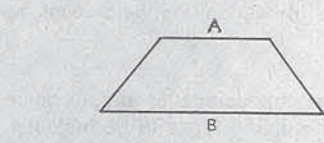
SOURCE OF SUPPLY Name of Watercourse or Lake Mitchell River

PUMP: Type Centrifugal Size 150 mm X 200 mm
(Centrifugal, Piston, Submersible, etc.)
Max Capacity Litres/Sec. Prop. Total Working Head Metres
Maker's Name HYDRO-TITAN Model and/or Series

DAM OR WEIR: Type Maximum Height of wall above Bed Level Metres
(Concrete, Earth, Rock, etc.)
Length of Crest Metres: Thickness at Crest (A) Metres
Thickness at Base (B) Metres: Diameter of outlet Pipe (C) Millimetres
Width of Bywash or Spillway Metres
Height of Bywash or Spillway above Bed Level Metres
Distance of Backup at Top Water Level Metres
Storage Capacity Megalitres (approx.)



LEVEE BANK: Maximum Height Metres: Total Length Metres
Thickness at Crest (A) Metres: Thickness at Base (B) Metres
Is there a Levee Bank on opposite bank of stream?
If so, will crest of the proposed levee bank be above or below crest of opposite levee bank, and by how much?



DIVERSION CHANNEL: Length Metres. Depth Metres
Width: Top Metres: Bottom Metres: If pipe, diameter mm

PURPOSE OF WORK Alluvial Tin Mining
(State if work is for the purpose of irrigation, water conservation, flood prevention, drainage, etc. and whether existing or proposed.)

WATER UTILISATION IRRIGATION: Crops to be irrigated
Area to be irrigated (Max. proposed under irrigated crop during any one season) Hectares
Annual Water Allocation Megalitres (To be completed only if stream regulated)
Type: () Surface () Spray.

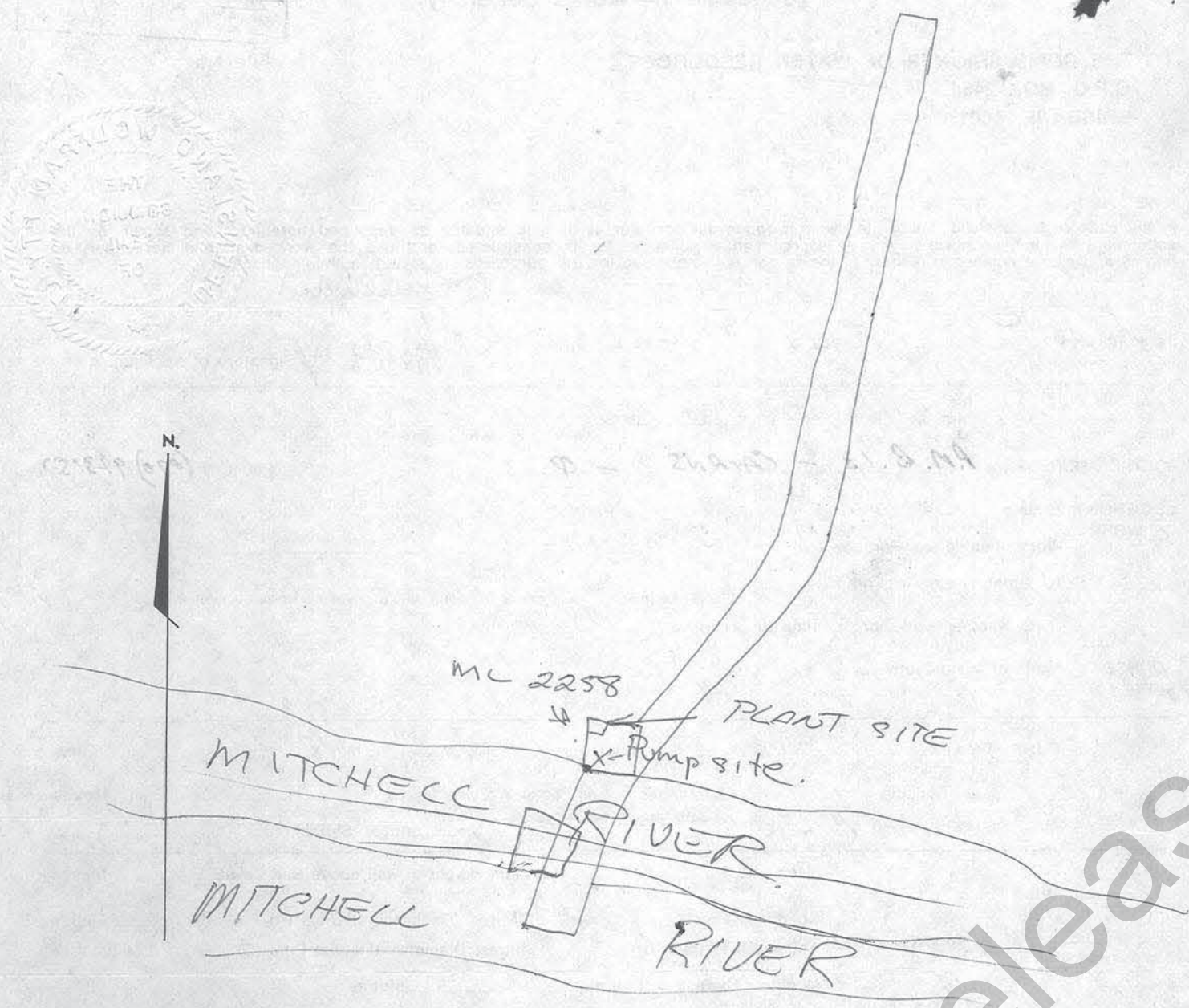
STOCKWATERING: No. and type of stock

(PLEASE TURN OVER)
Payment Received \$ 51.00
Receipt No. 33636 Date 17.4.86

sch4p4(6) Personal information

17 APR 1981

SKETCH PLAN of property boundaries, showing portion numbers, north point, position of stream, direction of flow, location of work, area to be irrigated, etc., to be drawn here:



NOTES ON AN APPLICATION FOR A WATERWORKS LICENSE—PLEASE READ CAREFULLY

1. The sum of \$51.00 to cover advertising costs, MUST accompany the Application.
2. An applicant for a Waterworks License should be the registered owner of Freehold land, or the registered lessee of Leasehold land, abutting on the bank of a watercourse or lake, and satisfactory evidence of the applicant's interest in the land must be produced.
3. If the applicant is the owner or lessee of Freehold or Leasehold land which does not abut upon the source of supply, such applicant must produce further documentary evidence of his interest in the land on which the work applied for is to be installed, in the form of a stamped Agreement for Lease, Contract of Sale, or Section 11A Agreement with a landholder adjacent to the watercourse or lake.
4. If the applicant is purchasing the subject land, but the transfer documents have not yet been lodged for registration, he should ask the Solicitor handling the sale to advise the Commissioner of the present position of the transaction.
5. In a case where the person wishing to install works on a watercourse or lake is not the registered owner or lessee of the subject land and is unable to produce any documentary evidence as set out in paragraphs (3) and (4), the application for the License MUST be signed by the registered owner or lessee of the land (a) to which water is to be diverted in the case of a pump or (b) on which the work is to be installed in the case of any other works.
6. Under the Water Act 1926-1981 an application for a License must be advertised in the "Government Gazette" and local newspaper, and even if no objections are received or any objections are received and dismissed, there is no guarantee that a License for the particular size of pump, area or particular size of other work applied for will be granted.
7. Applicants are warned against taking any action to procure a pumping plant or constructing any work in the watercourse, until the application has been approved.
8. All questions in relation to the application must be answered fully, as failure to do so will lead to correspondence with consequent delay in dealing with the application.



QUEENSLAND WATER RESOURCES COMMISSION

MAREEBA REGIONAL OFFICE
167 WALSH STREET, MAREEBA

Your Ref:

Our Ref. 15H1 M r W.G. FOSSETT

JPT

22nd April 1986

The Manager
Cairns Post Pty Ltd
P O Box 126
CAIRNS Q4870

Dear Sir

Please insert the attached advertisement in your newspaper as specified thereon.

The Statement of Account is to be forwarded to:

Leo Burnett Pty Ltd
Government Advertising Division
45 Black Street
MILTON Q 4064

Yours faithfully

B/C Secretary
BRISBANE

URGENT - ATTENTION OPERATIONS DIVISION

46686 James Finlay Australia &
Clyde Agricultural
46687 D. Huntingford & E. Keegan
46688 Nanyetta Community
Advancement Co-op.
46689 J.V. & J. Sultana
46690 Queensland Wolfram Pty. Ltd.

W.D. SOUTER
REGIONAL ENGINEER

REGIONAL ENGINEER

P.O. Box 156, Mareeba, Q. 4880

Telephone 92 2555 Telex QWRC 48879

QWRC 238 M

Department: Queensland Water Resources Commission
Contact: Mr. W.G. Fossett Phone 922555

Paper Requested: Cairns Post
Date of Insertion: Saturday 26th April 1986
No. of Insertions: One
Space: Single Column/Set Solid
Classification: Open Page



QUEENSLAND WATER RESOURCES COMMISSION
P.O. Box 156, Mareeba
(one line space)

Applications for Licenses
JAMES FINLAY AUSTRALIA PTY. LTD.
AND CLYDE AGRICULTURAL PTY. LTD.
Portion 26, Parish of Gadgarra,
County of Nares. Existing 50 mm
Helical Rotor Pump for irrigation of
2 hectares from Unnamed tributary of
West Butcher Creek.
D. HUNTINGFORD & E. KEEGAN
Lot 4 on R.P. 742716 (original
Portion 278), Parish of Cairns,
County of Nares. Proposed 32 mm
Centrifugal Pump for irrigation of 1
hectare from Freshwater Creek.
NANYETTA COMMUNITY ADVANCEMENT CO-OP.
SOCIETY LTD.
Pump on Sub. 94 of Portion 60 to
supply Subs. 94 & 95 of Portion 60,
Parish of Ravenshoe, County of
Cardwell. Proposed 40 mm
Centrifugal Pump for irrigation of 1
hectare from North Cedar Creek.
J.V. & J. SULTANA
Portion 52V, Parish of Gladly, County
of Nares. Existing 50 mm
Centrifugal Pump for irrigation of 5
hectares from Unnamed tributary of
Johnstone River.
QUEENSLAND WOLFRAM PTY. LTD.
M.L. 2558 (Mareeba), Parish of
Mapee, County of Dagmar. Proposed
150 mm Centrifugal Pump for mining
operations from Mitchell River.
Closing date for written objections
from riparian landholders within a
distance of eight kilometres upstream
-/2

- 2 -

or twenty-four kilometres downstream
is 16th May 1986. Objectors must
state their property description and
their grounds for objection.

QUEENSLAND
A STRONGER STATE
A BETTER LIFE

RTI DL Release

.R.S.1

(Address) _____

(Date) _____

I hereby certify that I have this day sighted the Instrument of Title or Crown Lease and supply the following details therefrom:-

Full Name/s of Registered) _____

Owner/s or Lessee/s) _____

Description of Land FREEHOLD/CROWN LEASEHOLD (Strike out one not applicable)

Portion No. _____
(Including any Subdivisions and Resubdivisions - If a Lot No. on a Registered Plan show original Portion No. also).

Parish of _____ County of _____

Area _____

Certificate of Title) No. _____ Volume _____ Folio _____
or Deed of Grant)

(Tenure and Number of Crown Lease _____

(Land Agent's District _____

(Signature) _____

Official Position (Solicitor or Bank Manager) _____

NOTE:- IF THIS SECTION IS COMPLETED THE DECLARATION BELOW IS NOT REQUIRED.

"THE OATHS ACTS, 1867 TO 1981"

Queensland STATUTORY DECLARATION

To Wit

I, ERROK WILLIAM FREDERICK WARNER (full name)

of COURT HOUSE MAREEBA in the State of Queensland

do solemnly and sincerely declare that the Registered Proprietor/s as shown on the Instrument of Title, or Lessee/s from the Crown as shown on the Instrument of Lease, of the Land described hereunder, is/are:-

(Full Name/s) QUEENSLAND WOLFRAM PTY LTD

Description of Land FREEHOLD/CROWN LEASEHOLD (Strike out one not applicable)

Portion No. _____
(Including any Subdivisions and Resubdivisions - If a Lot No. on a Registered Plan show original Portion No. also.)

Parish of MAPLE County of SAGINAW

Area 14 ACRES

Certificate of Title) No. _____ Volume _____ Folio _____
or Deed of Grant)

(Tenure and Number of Crown Lease M.L. No 2550

(Land Agent's District MAREEBA MINING DISTRICT

And I make this solemn declaration conscientiously believing the same to be true and by virtue of the "Oaths Acts, 1867 to 1981".

[Signature]

(Declarant)

Taken and declared before me

at MAREEBA this 25th day of MARCH 1986

s.78B(2)

[Redacted Signature]

(Justice of the Peace)

NOTICE

An application for a license under the Water Act, 1926-1983 must be forwarded with the application satisfactory evidence that he or she is the owner or legal occupier of the land in respect of which the application is being made.

The Commissioner will accept as satisfactory evidence any of the following:-

- (1) A Certificate from a Solicitor or Bank Manager, on the form provided or the like, that he or she has sighted the Instrument of Title or Crown Lease giving the information requested in the form; OR
- (2) A Statutory Declaration by the applicant on the form provided; OR
- (3) A Statement by a Solicitor or other competent person that the applicant is in legal occupancy by virtue of an Agreement or Lease, accompanied by a copy of such document, together with a description of the land with the number, volume and folio (or details of Crown Lease) and the name of the registered proprietor of the land, or part of the land, which is being occupied.

A form of certificate by a Solicitor or Bank Manager and a Statutory Declaration appear on the reverse side of this Notice. Please note that only one of these is required and not both. The certificate under (1) is preferred by the Commissioner and should be more convenient to the applicant, however where such a Certificate is not convenient, the personal Declaration should be made in its place.

PLEASE TURN OVER

2487

r. W.G. Fossett

ILB

4th October 1985

The Manager
Queensland Wolfram Pty Ltd
P M B 13
CAIRNS QLD 4870

Dear Sir

WATERWORKS LICENSES NOS. 44215 TO 44217

Following our letter of 24th January 1984 advice has been received from the Registrar of the Land Court that the appeal against the Commissioner's decision to grant the above licenses has been withdrawn.

Yours faithfully

s.78B(2)

W D Souter
W D SOUTER
REGIONAL ENGINEER

RTI DL Release



Office of the Land Court

Brisbane.

All communications to be addressed
to The Registrar of the Land Court,
P.O. Box 367, Brisbane—North Quay, 4000
Phone 224-5910

Ref AW:MC
A83-85.
Your Ref 2487.

028163

12th September, 1985.

Dear Sir,

In the matter of an appeal under Section 12 of the Water Act 1926-1983 by Arne Pedersen Holdings Pty. Ltd., the owner of the land described as Brooklyn Pastoral Holding No.2359, parish of Mappe, county of Dagmar, against the decision of the Commissioner of Water Resources to grant Waterworks License Applications NO.'s 44215, 44216 and 44217 to Queensland Wolfram Pty. Ltd.

Arne Pedersen Holdings Pty Ltd
v.
The Commissioner of Water Resources

I have to inform you that Messrs Farrelly and Associates, Solicitors, P.O. Box 604, Cairns, have now withdrawn the above appeal from the Court.

The matter has accordingly been struck from the list of cases awaiting hearing and determination by the Land Court.

Yours faithfully,

sch4p4(6) Personal information

Deputy Registrar.

The Secretary,
Queensland Water Resources
Commission,
G.P.O. Box 2454,
BRISBANE, 4001

RTI DL Release



Office of the Land Court

Brisbane.

All communications to be addressed
The Registrar of the Land Court,
P.O. Box 367, Brisbane—North Quay, 4000
Phone 224 5857

20 JAN 1984

A83-85
Ref. PW:SB
Your Ref: 2487

18th June, 1984.

020600

Dear Sir,

In the matter of an appeal under Section 12 of the Water Act 1926-1983 by Arne Pedersen Holdings Pty. Ltd., the owner of the land described as Brooklyn Pastoral Holding No. 2359, parish of Mape, county of Dagmar, against the decision of the Commissioner of Water Resources to grant Waterworks License Applications Nos. 44215, 44216 and 44217 to Queensland Wolfram Pty. Ltd.

Arne Pedersen Holdings Pty. Ltd.

-v-

The Commissioner of Water Resources

I refer to an application for adjournment by Messrs. Farrelly and Associates, Solicitors for the appellant Company, and advise that the appeal is, by consent, adjourned to a date to be fixed in Cairns.

Accordingly, no appearance at the Land Court in Cairns on 27th June, 1984 will be necessary.

Yours faithfully,

sch4p4(6) Personal information

Deputy Registrar.

The Secretary,
Queensland Water Resources Commission,
G.P.O. Box 2454,
BRISBANE. Q. 4001

SNR. OFF. [redacted] NS ENG.

R/E Manaba advised.

Pages 203 through 204 redacted for the following reasons:

s.78B(2)

RTI DL Release

MR ~~SOUTER~~ LIDDELL

DATE: 28/5 1984 TIME: 1140

WHILE YOU WERE OUT IN CONF.

M R. FARRELLY Laurie

OF SOLICITOR CAIRNS RANG

PHONE 514766

PLEASE PHONE AT A CONVENIENT	<input checked="" type="checkbox"/>	URGENT	
WANTS TO SEE YOU		WILL PHONE AGAIN	
NO MESSAGE LEFT		SAID TO LET YOU KNOW HE/SHE PHONED	

MESSAGE: -

In The Matter of
 Pelican v Quaid (RB Minnie)
 the Plaintiff has written to
 the Land Court seeking
 an adjournment.

RECEIVED BY sch4p4(6) Personal information WS

RTI DL Release

QUEENSLAND WATER RESOURCES COMMISSION—OFFICE MEMO.

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
17 MAY 1984	
DOC. No. 2196+ 7261	
FILE	REFER
1114	CIL S/C/O D/E

REGIONAL ENGINEER, MAREEBA

AD From: SENIOR OPERATIONS ENGINEER

Date 14/5 /84 File 84/149478 R. Hennessy

Copies to:

Subject: APPEAL UNDER SECTION 12 OF THE WATER ACT Reference:

ARNE PEDERSEN HOLDINGS PTY LTD - V - COMMISSIONER OF WATER RESOURCES

The Land Court has advised that the above appeal has been set down for hearing at the S.G.I.O. Building (Suite 4, 2nd floor), Cairns, at 12 noon on 27th June, 1984.

A copy of the Notice from the Land Court is enclosed for your records.

sch4p4(6) Personal information

SENIOR OPERATIONS ENGINEER.

Subsequent Noting:

RTI DL Release

NOTICE OF CASE COMING ON BEFORE THE LAND COURT

IN THE LAND COURT
OF QUEENSLAND



In the Matter of an appeal under Section 12 of the Water Act 1926-1983 by Arne Pedersen Holdings Pty. Ltd. the owner of the land described as Brooklyn Pastoral Holding No. 2359, parish of Mapped, county of Dagmar, against the decision of the Commissioner of Water Resources to grant Waterworks License Applications Numbers 44215, 44216 and 44217 to Queensland Wolfram Pty. Ltd.

Arne Pedersen Holdings Pty. Ltd.
v.
The Commissioner of Water Resources

YOU are hereby notified that at the sittings of the Land Court to be held at Suite 4, 2nd Floor, S.G.I.O. Building, Cairns at 12 noon on the 27th day of June, 1984 the abovementioned matter will be brought before the Court, for hearing or otherwise, as may be ordered in that behalf.

Signed at Brisbane this 4th day of May, 1984.

sch4p4(6) Personal information

Deputy Registrar.

The Secretary,
Queensland Water Resources
Commission,
G.P.O. Box 2454,
BRISBANE 4001

ENG. OF [redacted] NS ENG.

R/E Marceba advised.

24th January 1984

The Manager
Queensland Wolfram Pty Ltd
P M B 13
CAIRNS QLD 4870

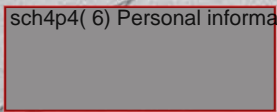
Dear Sir

WATERWORKS LICENSES Nos. 44215 TO 44217

Further to our letter of 15th November 1983, it is advised that an Appeal has been lodged with the Registrar of the Land Court against the decision of the Commissioner for Water Resources to issue the above licenses.

Yours faithfully

sch4p4(6) Personal information


W D SOUTER
REGIONAL ENGINEER

RTI DL Release

24th January 1984

The Registrar of the Land Court
P O Box 367
BRISBANE NORTH QUAY QLD 4000

Dear Sir

Water Act 1926-1983 (Section 12)

In the matter of an appeal by Arne Pedersen Holdings Pty. Ltd. the owner of land described as Brooklyn Pastoral Holding number 2359, Parish of Mapped, county of Dagmar against the decision of the Commission of Water Resources to grant Waterworks License Applications, numbers 44215, 44216 and 44217 to Queensland Wolfram Pty. Ltd.

Arne Pedersen Holdings Pty. Ltd.

v.

The Commissioner of Water Resources

In reply to your letter of 21st December 1983 to our Head Office, attached are copies of the relevant material covering the above from our file.

Yours faithfully

sch4p4(6) Personal information


W D SOUTER
REGIONAL ENGINEER

RTI/DL Release

To: Regional Engineer, MAREEBA.

CM From: Senior Operations Engineer Date 11/1/84 File 84/L49478

Copies to:

Mr. R. Hennessy
224.7261

Subject: APPEAL UNDER SECTION 12 OF THE WATER ACT Reference:
ARNE PEDERSEN HOLDINGS PTY LTD - v - COMMISSIONER OF WATER RESOURCES

Attached for your attention are copies of a letter dated 19th December, 1983 and Notice of Appeal from Messrs Farrelly and Associates and a copy of a letter dated 21st December, 1983 from the Land Court in relation to the above matter.

Please initiate the necessary action as required.

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
16 JAN 1984	
DOC. No.	172
FILE	2487 2487
OFFICER	CL CL

sch4p4(6) Personal information

SENIOR OPERATIONS ENGINEER.

5/40

RTI DL Release

Subsequent Noting:

L 49478

All communications to be addressed
"The Registrar of the Land Court,
P.O. Box 367,
Brisbane-North Quay, 4000



Ref. A83-85
RM:JB

22 DEC 1983
047673

Office of the Land Court,

Brisbane,

21st December, 1983.

Dear Sir,

The Water Act 1926-1983 (Section 12)

In the matter of an appeal by Arne Pedersen Holdings Pty. Ltd. the owner of land described as Brooklyn Pastoral Holding number 2359, parish of Mapped, county of Dagmar against the decision of the Commissioner of Water Resources to grant Waterworks License Applications, numbers 44215, 44216 and 44217 to Queensland Wolfram Pty. Ltd.

Arne Pedersen Holdings Pty. Ltd.

v.

The Commissioner of Water Resources

I have to inform you the above appeal was filed in the Court on 20th December, 1983, by Messrs Farrelly and Associates, Solicitors.

Accordingly, I should be pleased if you would furnish the Court with the following:-

- (a) Particulars of the license applied for;
- (b) Particulars of the land in respect of which the application was made, together with a plan showing the location of the works in relation to such land;
- (c) Particulars of the appellant's land and plan showing it in relation to approved works;
- (d) A copy of any objection lodged within the prescribed time;
- (e) A copy of the Commissioner's decision on the objection together with advice as to the date such decision was posted to the objector;
- (f) A copy of the relevant license;
- (g) Date Notice of Decision received by appellant; and
- (h) Any other information relevant to appeal.

The matter will be set down for hearing at the first available sittings of the Land Court at Cairns, after May, 1984

Yours faithfully,

*Appeal No 570
in register*

*Referred to R/E Marcello
for reply*

The Secretary,
Queensland Water Resources Commission,
G.P.O. Box 2454,
BRISBANE. 4001

sch4p4(6) Personal information

Registrar.

RTI DL Release

QUEENSLAND

Water Act, 1926 - 1981

Notice of appeal to the Land Court against a decision of the Commissioner of Water Resources.

~~XXXXX~~ ... ARNE PEDERSEN HOLDINGS PTY. LTD. owner of 37 Lake Street, Cairns being the ~~XXXXXX~~ of land described as Brooklyn Pastoral Holding number 2359

Parish ... Mappe County ... Dagmar ... Area on part of which is situated Mining Leases No. 2708 and 2523 (Mareeba)

✓ hereby give notice that ~~XXXX~~ appeal to the Land Court under Section 12 of the Water Act, 1926 - 1981 against the following

decision of the Commissioner of Water Resources:-
(If an objector, include the name of the applicant and full particulars of the land in respect of which the license was granted)

Arising out of Waterworks Licence Applications Numbers 44215 to 44217 by ... Queensland Wolfram Pty. Ltd. for an 80 mm Centrifugal Pump on Holmes ... Creek within Mining Lease No. 2708 and for a 100 mm Centrifugal Pump and ... a 5.0 m Earth Dam on an unnamed tributary of Holmes Creek within Mining ... Lease No. 2523 both in the Parish of Mappe County of Dagmar

GROUNDS OF APPEAL

That the decision of the Commissioner is wrong in that

(Please see annexure "A" hereto)
.....
.....
.....
.....
.....

Dated at ... Cairns ... this ..16th..... day of December, ... 1983

ARNE PEDERSEN HOLDINGS PTY. LTD. by sch4p4(6) Personal information
its duly authorised Agent: Signature

Address for service 37 Lake Street, Cairns.....
.....

(Before completing this notice of appeal please read back hereof).

Section 12 of the Water Act, 1926-1983 provides, inter alia:-

4(A) APPEAL. If an applicant or objector is dissatisfied with the decision of the Commissioner upon an application under this section, that person may appeal therefrom to the Land Court and that Court shall hear and determine the matter and may confirm, vary or revoke the decision of the Commissioner.

4(B) PROCEDURE ON APPEAL. An appeal under subsection (4A) of this section shall be instituted by filing in the Land Court registry, within thirty days after receipt of notice of the decision and no later, a notice of appeal.

The notice of appeal shall state the grounds of appeal and the appeal shall be limited to the grounds stated. The burden of proving any ground stated shall be upon the appellant.

After filing the notice of appeal the appellant shall serve forthwith a copy thereof on the Commissioner.

NOTE: Notice of appeal to be addressed to:-

The Registrar of the Land Court,
Box 367, P.O.,
BRISBANE. NORTH QUAY, Q. 4000.

Copy of notice of appeal to be addressed to:-

The Commissioner of Water Resources,
G.P.O. Box 2454,
BRISBANE. Q. 4001

ANNEXURE "A"

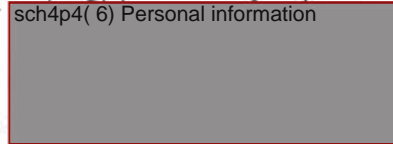
The Commissioner did not give any or any proper or sufficient consideration to the following:-

- (i) The risk of pollution to the water system of the Applicant's Holding;
- (ii) That the whole question of whether or not mining or processing of material or dredging or carrying out mining operations generally on Brooklyn Pastoral Holding would be allowed was under challenge by the Appellant by virtue of Objections lodged by it against certain Applications for Mining Leases then and still yet to be determined by the Warden's Court at Mareeba;
- (iii) That the eventual recommendation of the Warden and the decision of the Minister for Mines and Energy arising out of the hearing of the said Applications and Objections thereto would have the overall effect of adjudging whether or not the waters of Brooklyn Pastoral Holding are to be preserved for livestock and farming use or to be used for dredging and for general mining purposes;
- (iv) That in the event of the Appellant's Objections being upheld, then a challenge to the right of Queensland Wolfram Pty. Ltd. to Mine and/or dredge its areas in the Appellant's Holdings would be mounted.
- (v) That having regard to all the circumstances and pending determination by a Court of Law, in this instance the Mining Warden's Court at Mareeba, the Commissioner should not have granted Waterworks Licence Applications Nos. 44215 to 44217 or at least should have refrained from reaching a decision thereon until after the said Warden's recommendation and the said Minister's decision.

This is Annexure Marked with an "A" referred to in the accompanying Notice of Appeal.

ARNE PEDERSEN HOLDINGS PTY. LTD.
by its duly appointed Agent

sch4p4(6) Personal information



RTI DL Release

QUEENSLAND		WATER RESOURCES		COMMISSION	
		MAREEBA			
		REGIONAL OFFICE			
		24 NOV 1983			
DOC No		5511			
FILE		REFER			
2487					

PM122

Australia Post

RETURN RECEIPT

Receipt is acknowledged of the Certified Mail article,
the number of which appears on the face of this card.

sch4p4(6) Personal information

Signature of Addressee or Agent

Signature of Delivery Officer 	Date delivered 25 NOV 1983
---	-------------------------------

Sch CP1244/78

RTI DL Release

Queensland Water Resources Commission

P.O. BOX 158,
MAREEBA 4880

Certified Mail
AR 712328

16 NOV 1983

36/27
96

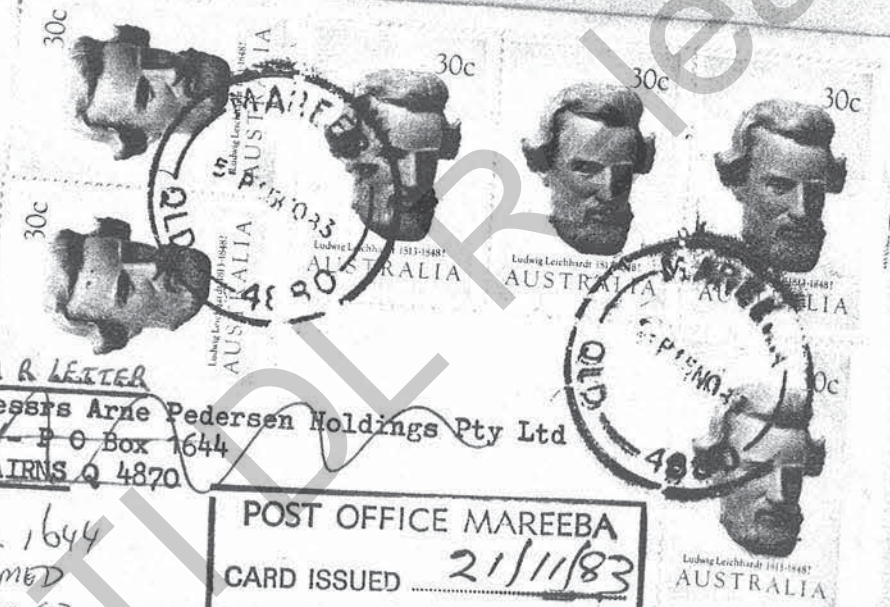
QUEENSLAND WATER RESOURCES COMMISSION
MAREEBA REGIONAL OFFICE
21 NOV 1983

DOC. No.	
FILE	REFER

A & LETTER
Messrs Arne Pedersen Holdings Pty Ltd
C/- P O Box 1644
CAIRNS Q 4870

RTS
NOT x 1644
NCA AIMED
R. 17-11-83

POST OFFICE MAREEBA
CARD ISSUED 21/11/83
2nd NOTICE
FINAL NOTICE



Reposted from Mareeba in
fresh envelope 22/11/83.

15th November 1983

The Manager
Queensland Wolfram Pty Ltd
P M B 13
CAIRNS Q 4870

Dear Sir

WATERWORKS LICENSES NOS. 44215 TO 44217

DATE OF EXPIRATION 30.9.1986

Attached are the above licenses granted under the provisions of the Water Act 1926-1983, and your attention is drawn to the Schedule of Conditions thereon.

If the works are still installed at the dates of expiration it will be necessary to apply to renew the licenses for a further period of time.

Because your licenses are important documents care should be taken to preserve them.

It is advised that the objectors to your applications have 30 days in which to exercise their Right to Appeal to the Land Court against the decision to grant these licenses.

Yours faithfully

sch4p4(6) Personal information

W D SOUTER
REGIONAL ENGINEER

Encl

B/C Regional Engineer
Water Quality Council of Queensland
P O Box 1880
TOWNSVILLE Q 4810

A copy of each license is attached for your information.

Yours faithfully

W D SOUTER
REGIONAL ENGINEER

WATERWORKS LICENSE

QUEENSLAND WATER RESOURCES COMMISSION

P O BOX 156 MAREEBA Q 4870

QUEENSLAND MOLTRAM PTY LTD
P M B 15
CAIRNS Q 4870

License Number 44215 Expiry Date 30.9.1986 File Number 2487

Description of Works 80 mm CENTRIFUGAL PUMP

Location of Works Portions M.L. 2708 (MAREEBA)
Parish MAPPE
County DAGMAR

To Supply Portions M.L. 2523 (MAREEBA)
Parish MAPPE
County DAGMAR

Name of Watercourse HOLMES CREEK 9.19.4.234

Purpose of Works MINING OPERATIONS

Crops to be Irrigated

Date of Original Issue 15.11.1983

STATE DUPLICATE LICENSE

ED 10.9.1986

The work described hereon, and referred to in the application and plans and descriptions deposited by or on behalf of the abovenamed licensee, as finally approved, is hereby declared to be a licensed work under The Water Act 1926 — 1979 subject to the terms, limitations and conditions appearing on the Schedule hereto.

Issued at _____ this _____ day of _____

19 83

sch4p4(6) Personal information

Authorized Officer

WL001

WATERWORKS LICENSE

QUEENSLAND WATER RESOURCES COMMISSION

P.O. BOX 156 MAREEBA Q. 4880

QUEENSLAND WATERWORKS PTY LTD
P.M.B. 13
CAIRNS Q. 4870

License Number 442161 Expiry Date 130.9.1986 File Number 2487

Description of Works 100 mm CENTRIFUGAL PUMP

Location of Works Portions N.L. 2523 (MAREEBA)
Parish MAPPE
County DAGMAR

To Supply Portions N.L. 2523 (MAREEBA)
Parish MAPPE
County DAGMAR

Name of Watercourse UNNAMED TRIBUTARY OF HOLMES CREEK 9.39.4254

Purpose of Works MINING OPERATIONS

Crops to be Irrigated

Date of Original Issue 15.11.1983

SEE DUPLICATE LICENSE
ISSUED 10.9.1986

The work described hereon, and referred to in the application and plans and descriptions deposited by or on behalf of the abovenamed licensee, as finally approved, is hereby declared to be a licensed work under The Water Act 1926 — 1979 subject to the terms, limitations and conditions appearing on the Schedule hereto.

Issued at MAREEBA this FIFTEENTH day of NOVEMBER 19 83

sch4p4(6) Personal information
[Redacted Signature]

Authorised Officer

WL001

WATERWORKS LICENSE

QUEENSLAND WATER RESOURCES COMMISSION

P O BOX 156 MARSEBA Q 4880

QUEENSLAND WOLFRAM PTY LTD
P M B 13
CAIRNS Q 4870

License Number 45217 Expiry Date 30.9.1986 File Number 2487

Description of Works

EARTH DAM

Maximum Height above Bed Level 5.0 m
Length of Crest 90.0 m
Width at Crest 5.0 m
Width at Base 15.0 m
Height of Bywash 3.5 m
Width of Bywash 15.0 m
Storage Capacity approx. 20 ML

Location of Works

Portions
Parish
County

M.L. 2523 (MARSEBA)
MAPPE
DAGMAR

To Supply

Portions
Parish
County

Name of Watercourse

UNNAMED TRIBUTARY OF HOLMES CREEK 9.11.23++

Purpose of Works

WATER CONSERVATION FOR MINING OPERATIONS

Crops to be Irrigated

--

Date of Original Issue

15.11.1983

SEE DUPLICATE LICENSE

ISSUED 10.9.1986

The work described hereon, and referred to in the application and plans and descriptions deposited by or on behalf of the abovenamed licensee, as finally approved, is hereby declared to be a licensed work under The Water Act 1926 — 1979 subject to the terms, limitations and conditions appearing on the Schedule hereto.

Issued at MARSEBA this FIFTEENTH day of

NOVEMBER 19 83

sch4p4(6) Personal information

Authorised Officer

WL003

A.R. LETTER

15th November 1983

Messrs Arne Pedersen Holdings Pty Ltd
C/- P.O. Box 1644
CAIRNS Q 4870

Dear Sirs

WATERWORKS LICENSE APPLICATIONS NOS. 44215 TO 44217
QUEENSLAND WOLFRAM PTY LTD

I refer to your letter dated 23rd September 1983 objecting to the above applications for licenses for an 80 mm Centrifugal Pump on Holmes Creek, within M.L. 2708 (Mareeba), Parish of Mappe, County of Dagmar, and for a 100 mm Centrifugal Pump and 5.0 m Earth Dam on an Unnamed tributary of Holmes Creek, within M.L. 2523 (Mareeba), Parish of Mappe, County of Dagmar.

After consideration of the applications and your objection thereto, the Commissioner has decided to grant licenses Nos. 44215 to 44217 to Messrs Queensland Wolfram Pty Ltd.

If you are dissatisfied with the Commissioner's decision you may appeal to the Land Court in accordance with the provisions of Section 12 of the Water Act 1926-1983.

Notice of Appeal forms are enclosed and your attention is drawn to the information on the reverse side of the form especially that concerning the need to file any notice of appeal in the Land Court registry within thirty days from the date you receive this letter.


Yours faithfully


sch4p4(6) Personal information

 W D SOUTER
REGIONAL ENGINEER

Encl

I certify that this is a true copy of a letter forwarded to Arne Pedersen Holdings Pty Ltd, C/- P O Box 1644, CAIRNS Q 4870 on 15/11/83


DESPATCH CLERK

REPOSTED 22/11/83 

To: ENGINEER KREBS & C/L FOSSETT

From: S/C/O LIDDELL

Date 1/11/83 File 2487

Copies to:

Subject: WATERWORKS LICENSE APPLICATION

Reference:

NOS. 44215, 44216 & 44217

QUEENSLAND WOLFRAM PTY LTD

Application No. 44217 is for a 5.0 m earth dam on an unnamed tributary of Holmes Creek within M.L. 2523 (Mareeba) while application no. 44216 is for a 100 mm centrifugal pump to be installed on that dam. The other application (No.44215) is for an 80 mm centrifugal pump to be installed on Holmes Creek within M.L.2708 (Mareeba) to deliver water to the proposed dam on M.L. 2523. The works are for an alluvial tin mine.

Mr George Quaid Jnr was an objector to the applications but as we have received no response to our letter dated 17th October 1983 I do not consider his objections should be considered.

Today I inspected the area in company with Mr Bob Ward who is the Chief Mining Inspector based in Cairns and Bill Cole who will be working the mining leases on tribute to Queensland Wolfram. Mr Dayrell Wolfe the manager for Queensland Wolfram was also interviewed after our inspection.

I could not see where the failure of this relatively small dam could cause damage to life or property as it is located several kilometres upstream of the Peninsula Development Road and there are no dwellings along the creek bank.

The tin washing plant will be constructed on a ridge adjacent to the right bank of the dams backup water and as this gully has only a small catchment area water will be pumped from Holmes Creek during flood periods to ensure that the dam is filled.

Bob Ward appeared satisfied with the proposed tailings retention dams and so I see no reason to refuse these applications and recommend that licenses be issued.

The objector, George Quaid Jnr, should also be given the right of appeal to the Land Court but I am quite confident that after my inspection no grounds for an appeal exist.

sch4p4(6) Personal Information

W LIDDELL
STREAM CONTROL OFFICER

Subsequent Noting:

Handwritten notes area with horizontal lines.

17th October 1983

Messrs Arne Pedersen Holdings Pty Ltd
C/- P O Box 1644
CAIRNS Q 4870

Dear Sirs

WATERWORKS LICENSE APPLICATIONS

QUEENSLAND WOLFRAM PTY LTD

After reading your letter of objection to the above applications it appears that you are not aware that Mining leases have already been granted for the area on which Queensland Wolfram Pty Ltd propose to construct an earth dam and install an alluvial tin washing plant.

Queensland Wolfram have no intention of operating a tin dredge on any watercourse within their mining leases but do intend to mine alluvial tin and process the material in the manner used extensively by tin miners in North Queensland.

Any pollution of watercourses would be the responsibility of the Mines Department and/or the Queensland Water Quality Control Council as this Commission no longer has jurisdiction on such matters.

As the proposed dam is only a small structure and in no way referable by our standards it is considered here that you have no genuine grounds for objection to the dam.

It is proposed to have a pump installed on Holmes Creek to ensure that the dam to be constructed on an unnamed tributary of Holmes Creek is filled during the wet season each year.

This dam will be equipped with another pump which will be used during the tin washing operations.

Our Stream Control Officer has observed many alluvial tin mining operations such as the one which is proposed to be constructed by Queensland Wolfram, and can see no just reason for your objections.

Mining Inspectors who are based in Cairns make regular inspections of all mining operations and ensure that tailings and discoloured water are disposed of in a satisfactory manner.

Should you wish to discuss the matter further please contact Mr Bill Liddell at our Mareeba Office on telephone number 922 555.

Yours faithfully

sch4p4(6) Personal information

W D SOUTER
REGIONAL ENGINEER

WL



Warden's Office.

P.O. Box No. 182

MAREEBA

Qld. 4880

Telephone: 921687

Your Ref.....
Our Ref.....

14th October, 1983

The District Engineer,
Water Resources Commission,
MAREEBA.

QUEENSLAND	WATER RESOURCES	COMMISSION
	MAREEBA	
	REGIONAL OFFICE	
14 OCT 1983		
DOC. No. 4839		
FILE	REFER	
2487	5/90.	

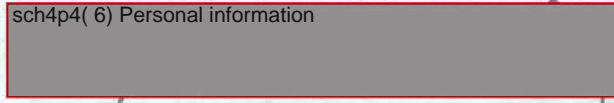
Dear Sir,

Re: M.L. Nos. 2523 and 2708 - Mareeba.

With reference to our recent conversation, this is to confirm that the above leases are held by Queensland Wolfram Pty. Ltd..

Yours faithfully,

sch4p4(6) Personal information



for H.T. Spicer
Warden.

RTI DL Release

2487

r. W.G. FOSSETT

11th October 1983

The Manager
Queensland Wolfram Pty. Ltd.
P.M.B. 13
CAIRNS Q4870

Dear Sir


WATERWORKS LICENSE APPLICATIONS NOS. 44215 TO 44217

It is advised that an objection has been received to your applications above, for licenses for an 80mm Centrifugal Pump on Holmes Creek, within M.L. 2708 (Mareeba), Parish of Mape, County of Dagmar, and for a 100mm Centrifugal Pump and 5.0m Earth Dam on an Unnamed tributary of Holmes Creek, within M.L. 2523 (Mareeba), Parish of Mape, County of Dagmar.

The matter will be investigated and you will be advised further.

Yours faithfully

s.78B(2)

 W.D. SOUTER
REGIONAL ENGINEER

RTI DL Release

2487

r. W.G. FOSSETT

11th October 1983

Messrs Arne Pedersen Holdings Pty. Ltd.
C/- P.O. Box 1644
CAIRNS Q4870

Dear Sirs


WATERWORKS LICENSE APPLICATIONS NOS. 44215 TO 44217
QUEENSLAND WOLFRAM PTY. LTD.

Your letter dated 23rd September 1983 objecting to the above applications for licenses for an 80mm Centrifugal Pump on Holmes Creek, within M.L.2708 (Mareeba), Parish of Mape, County of Dagmar, and for a 100mm Centrifugal Pump and 5.0m Earth Dam on an Unnamed tributary of Holmes Creek, within M.L. 2523 (Mareeba), Parish of Mape, County of Dagmar, has been received.

The matter will be investigated and you will be advised further.

Yours faithfully

sch4p4(6) Personal information


W.D. SOUTER
REGIONAL ENGINEER

RTI DL Release

23rd September, 1983

The Resident Engineer
Queensland Water Resources Commission
P.O. Box 156
MAREEBA

QUEENSLAND WATER RESOURCES COMMISSION	
MAREEBA REGIONAL OFFICE	
26 SEP 1983	
DOC. No. 4445.	
FILE	REFER
2487	CL
	SCO

Dear Sir,

RE: LICENSE APPLICATIONS QUEENSLAND WOLFRAM PTY LTD

Formal objection is hereby lodged to the granting of applications as per photo-copy of Cairns Post notice attached.

The proposed Waterworks are situated on part of Brooklyn Pastoral Holding, held on a very long term Pastoral Lease by Arne Pedersen Holdings Pty Ltd.

The main grounds for objection are:-

- 1) Risk of pollution of the properties water system.
- 2) Impending challenge of the Right of the applicant Company to mine/dredge the area.

It is also desired to formally advise the commission, the whole question of dredging operations on Brooklyn Holding is presently under challenge before the Mining Wardens Court. (Ravenshoe Tin Dredging Ltd applications for Mining Leases).

Accordingly, it is respectfully requested that the applications be stood over pending determination by the courts and/or the Minister for Mines as to whether or not dredging will be allowed in the area.

Yours faithfully,

sch4p4(6) Personal information

GEORGE QUAID JUNR.
DIRECTOR
ARNE PEDERSEN HOLDINGS PTY LTD.

CP 17/9/83

QUEENSLAND WATER RESOURCES COMMISSION
 REPORT ON APPLICATION FOR WATERWORKS LICENSE

PUMPS

DATE RECEIVED	APPLICATION N°	ADVERTISING FEE	NEWSPAPER	DATE ADVERTISED
12.9.1983	44215	A 70672 12.9.1983	CAIRNS POST	17.9.1983

OBJECTIONS		DATE	
DATE CLOSED	RECEIVED FROM	RECEIVED	ACKNOWLEDGED
7.10.1983	ARNE PEDERSEN HOLDINGS PTY. LTD	26.9.1983	11.10.1983

REMARKS General Location _____ A.M.T.D. _____ km Map _____
 Is Applicant Riparian * YES/NO _____ Work * PROPOSED/EXISTING _____
 Licenses on Property NIL.
 Method * SURFACE / SPRAY _____

DISTRICT OFFICE _____ W.A.B. _____

NAME QUEENSLAND WOLFRAM PTY. LTD.
 ADDRESS P.M.B. 13, CAIRNS Q 4870

LICENSE NUMBER	EXPIRY DATE	FILE N°
44215	30.9.1986	2487

WORK Size and Type 80 mm CENTRIFUGAL PUMP.
 * AREA to be Irrigated _____ hectares. * ANNUAL Water Allocation _____ Megalitres

LOCATION OF WORK Portion M.L. 2708 (MAREEBA)
 Parish MAPPE County DAGMAR

TO SUPPLY Portion M.L. 2523 (MAREEBA)
 Parish MAPPE County DAGMAR

WATERCOURSE HOLMES CREEK Classification 9.19.4.23 +

PURPOSE OF WORK MINING OPERATIONS.

CROPS IRRIGATED _____

ISSUED AT MAREEBA this FIFTEENTH day of NOVEMBER 19 83

COMMENT RECOMMENDATION By W Liddell Date 2/11/83

- * (1) Issue Pump License (WL 001) with details as above
- * Special Conditions THIS LICENSE IS ISSUED SUBJECT TO THE PROVISIONS OF THE CLEAN WATERS ACT, 1971-1981.
- * (2) ~~Application be refused and Right of Appeal given~~

Grounds of Refusal _____

Personal Card _____

Stream Card _____

D.P.S. _____

Approved by _____

Date 8/11/83

245P

* Strike out that not applicable

QUEENSLAND WATER RESOURCES COMMISSION
 REPORT ON APPLICATION FOR WATERWORKS LICENSE

PUMPS

DATE RECEIVED	APPLICATION N°	ADVERTISING FEE	NEWSPAPER	DATE ADVERTISED
12.9.1983	44216	A70673 12.9.1983	CAIRNS POST	17.9.1983

OBJECTIONS		DATE	
DATE CLOSED	RECEIVED FROM	RECEIVED	ACKNOWLEDGED
7.10.1983	ARNE PEDERSEN HOLDINGS PTY. LTD.	26.9.1983	11.10.1983

REMARKS General Location _____ A.M.T.D. _____ km Map _____
 Is Applicant Riparian * YES/NO _____ Work * PROPOSED/EXISTING _____
 Licenses on Property N° 35845 - 5.0m Earth Dam
N° 35846 - 1.0m deep diversion Channel
 Method * SURFACE / SPRAY _____
 DISTRICT OFFICE _____ W.A.B. _____

NAME QUEENSLAND WOLFRAM PTY. LTD
 ADDRESS P.M.B. 13, CAIRNS Q 4870

LICENSE NUMBER	EXPIRY DATE	FILE N°
44216	30.9.1986	2487

WORK Size and Type 100m CENTRIFUGAL PUMP
 * AREA to be Irrigated _____ hectares * ANNUAL Water Allocation _____ Megalitres
 LOCATION OF WORK Portion M.L. 2523 (MAREEBA)
 Parish MAPPE County DAGMAR
 TO SUPPLY Portion M.L. 2523 (MAREEBA)

Parish MAPPE County DAGMAR
 WATERCOURSE UNNAMED TRIBUTARY OF HOLMES CREEK Classification 9.19.4.23++
 PURPOSE OF WORK MINING OPERATIONS
 CROPS IRRIGATED _____
 ISSUED AT MAREEBA this FIFTEENTH day of NOVEMBER 19 83

COMMENT	RECOMMENDATION
	By <u>[Redacted]</u> Date <u>2/11/83</u>
	* (1) Issue Pump License (WL 001) with details as above
	* Special Conditions <u>THIS LICENSE IS ISSUED SUBJECT TO THE PROVISIONS OF THE CLEAN WATERS ACT, 1971-1981</u>
	* (2) Application be refused and Right of Appeal given
Personal Card	<u>[Redacted]</u>
Stream Card	<u>[Redacted]</u>
D.P.S. <u>[Redacted]</u>	Approved by <u>[Redacted]</u> Date <u>8/2/83</u>

245P

* Strike out that not applicable

QUEENSLAND WATER RESOURCES COMMISSION
 REPORT ON APPLICATION FOR WATERWORKS LICENSE

DAMS, WEIRS, LEVEE BANKS, DRAINS, ETC.

DATE RECEIVED	APPLICATION N°	ADVERTISING FEE	NEWSPAPER	DATE ADVERTISED
12.9.1983	44217	A70673 12.9.1983	CAIRNS POST	17.9.1983

OBJECTIONS		DATE	
DATE CLOSED	RECEIVED FROM	RECEIVED	ACKNOWLEDGED
7.10.1983	ARNE PEDERSEN HOLDINGS PTY. LTD.	26.9.1983	11.10.1983

REMARKS General Location _____ A.M.T.D. _____ km Map _____

Is Applicant Riparian * YES/NO _____ Work * PROPOSED/EXISTING _____

Licenses on Property N° 35845 - 5.0m Earth Dam
 N° 35846 - 1.0m deep Diversion Channel

Is Application F.W.S. Design * YES/NO _____

DISTRICT OFFICE _____ W.A.B. _____

NAME QUEENSLAND WOLFRAM PTY. LTD.
 ADDRESS P.M.B. 13, CAIRNS Q 4870

LICENSE NUMBER	EXPIRY DATE	FILE N°
44217	30.9.1986	2487

WORK Type EARTH DAM

*Size: Max. Height above B.Level 5.0 m *Size: Max. Height/Depth _____ m

Length of Crest 90.0 m Average Depth _____ m

DAMS Width at Crest 5.0 m OTHER Length _____ m

AND Width at Base 15.0 m Width at Crest _____ m

WEIRS Height of Spillway 3.5 m Width at Base _____ m

Width of Spillway 15.0 m Max. Bed Width _____ m

Outlet Pipe at B.L. _____ mm Batters _____

Storage Capacity approx. 20 ML

LOCATION OF WORK Portion M.L. 2523 (MAREEBA)

Parish MAPPE County DAGMAR

WATERCOURSE UNNAMED TRIBUTARY OF HOLMES CREEK Classification 9.19.4.23 + +

PURPOSE OF WORK WATER CONSERVATION FOR MINING OPERATIONS

ISSUED AT MAREEBA, this FIFTEENTH day of NOVEMBER 19 83

COMMENT _____ RECOMMENDATION By [Redacted] Date 2/11/83

* (1) Issue DAM License (WLOO3) with details as above

* Special Conditions _____

* (2) Application be refused and Right of Appeal given

Grounds of Refusal _____

Personal Card _____

Stream Card _____

D.P.S. [Redacted] Approved by [Redacted] Date 8/4/83

245D * Strike out that not applicable

R.B. Mining Pty. Ltd.
 INCORPORATED IN VICTORIA
 (Subsidiary of Roche Bros. Pty. Ltd.)

REG. OFFICE
 568 ST. KILDA ROAD
 MELBOURNE
 VICTORIA 3004
 TEL. 529 3022

MINE OFFICE
 MT. CARBINE

POSTAL ADDRESS
 P.M.B. 13,
 CAIRNS QLD. 4870
 TEL. MARYFARMS 19 **94 3155**

QUEENSLAND	WATER RESOURCES		COMMISSION
	MAREEBA		
REGIONAL OFFICE			
12 SEP 1983			
DOC. No. 4227.			
FILE	REFER		
2487	9L.		

7th. September, 1983.

The Regional Engineer.
 Queensland Water Resources Commission.
 P.O. Box 156.
 MAREEBA QLD. 4880.

Attention: Mr. W. Fossett.

Dear Sir,

Further to our recent telephone discussions we now submit two Applications for Waterworks License, one to pump from Holmes Creek to a storage dam and one for the construction of a storage dam on a wet season run-off water course feeding Holmes Creek.

Two cheques, each for \$40.00, are enclosed to cover these applications.

Yours faithfully,

s.78B(2)


D. WOLFF.


ADMINISTRATION MANAGER.

Encl.

*Arthur Cole - Cairns phone 532 879
 To work on tribute*

RTI/DL Release

44215
 QUEENSLAND WATER RESOURCES COMMISSION
APPLICATION FOR WATERWORKS LICENSE
 (Schedule 1—Works Generally)

WATER RESOURCES COMMISSION
 MAREEBA REGIONAL OFFICE
 12 SEP 1983
 DOC. No. _____
 File No. _____ REFER _____


~~TO THE COMMISSIONER OF WATER RESOURCES~~

~~G.P.O. BOX 2454,
 BRISBANE, 4001~~

REGIONAL ENGINEER
 QUEENSLAND WATER RESOURCES COMMISSION
 P.O. BOX 156, MAREEBA, QLD., 4880

I/WE QUEENSLAND WOLFRAM PTY. LTD. of MT. CARBINE.
 in the state of Queensland, being the owner/s (or lawful occupier/s) of land situated as described hereunder and shown on the accompanying plan, upon which land it is proposed to construct (or is constructed) and use the work described hereunder, do hereby apply for a License in respect of the said works to be used for the purpose/s as stated in this application.

Dated this SECOND day of SEPTEMBER, 19 83 s.78B(2)
 Signature of Applicant/s
 for Queensland Wolfram Pty. Ltd.

NAME IN FULL QUEENSLAND WOLFRAM PTY. LTD.
 (Block Letters) QUEENSLAND WOLFRAM PTY. LTD.
(Owner/s or lawful occupier/s)

POSTAL ADDRESS P.M.B. 13, CAIRNS Phone No. 94 3155

LOCATION County DAGMAR Parish MAPPE

OF WORK Work situated on Portion M.L. 2708

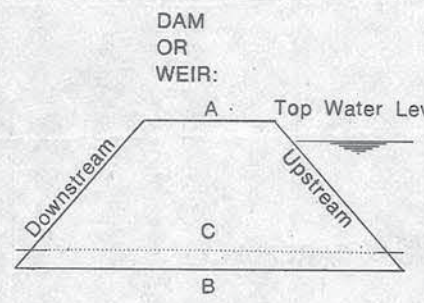
To supply water to Portion M.L. 2523
(Give full property descriptions including any subdivisions and resubdivisions)

State whether works are existing or proposed Proposed.

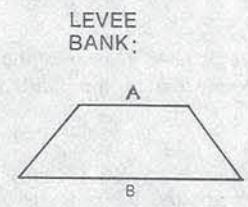
SOURCE OF SUPPLY Name of Watercourse or Lake Holmes Creek

PUMP: Type Centrifugal Size 100 mm X 75 mm
(Centrifugal, Piston, Submersible, etc.)
 Max Capacity 15 Litres/Sec. Prop. Total Working Head 30 Metres
 Maker's Name Southern Cross Model and/or Series _____

DAM OR WEIR: Type _____ Maximum Height of wall above Bed Level _____ Metres
(Concrete, Earth, Rock, etc.)
 Length of Crest _____ Metres: Thickness at Crest (A) _____ Metres
 Thickness at Base (B) _____ Metres: Diameter of outlet Pipe (C) _____ Millimetres
 Width of Bywash or Spillway _____ Metres
 Height of Bywash or Spillway above Bed Level _____ Metres
 Distance of Backup at Top Water Level _____ Metres
 Storage Capacity _____ Megalitres (approx.)



LEVEE BANK: Maximum Height _____ Metres: Total Length _____ Metres
 Thickness at Crest (A) _____ Metres: Thickness at Base (B) _____ Metres
 Is there a Levee Bank on opposite bank of stream? _____
 If so, will crest of the proposed levee bank be above or below crest of opposite levee bank, and by how much? _____



DIVERSION CHANNEL: Length _____ Metres. Depth _____ Metres
 Width: Top _____ Metres: Bottom _____ Metres: If pipe, diameter _____ mm

PURPOSE OF WORK To supply water to storage dam for use in mining Alluvial Tin
(State if work is for the purpose of irrigation, water conservation, flood prevention, drainage, etc. and whether existing or proposed.)

WATER UTILISATION IRRIGATION: Crops to be irrigated _____
 Area to be irrigated (Max. proposed under irrigated crop during any one season) _____ Hectares

*Confirmed with mine dept. Mareeba
 M.L. 2708 held in name
 of Queensland Wolfram Pty Ltd*

Annual Water Allocation _____ Megalitres (To be completed only if stream regulated)
 Type: () Surface () Spray.

STOCKWATERING: No. and type of stock _____

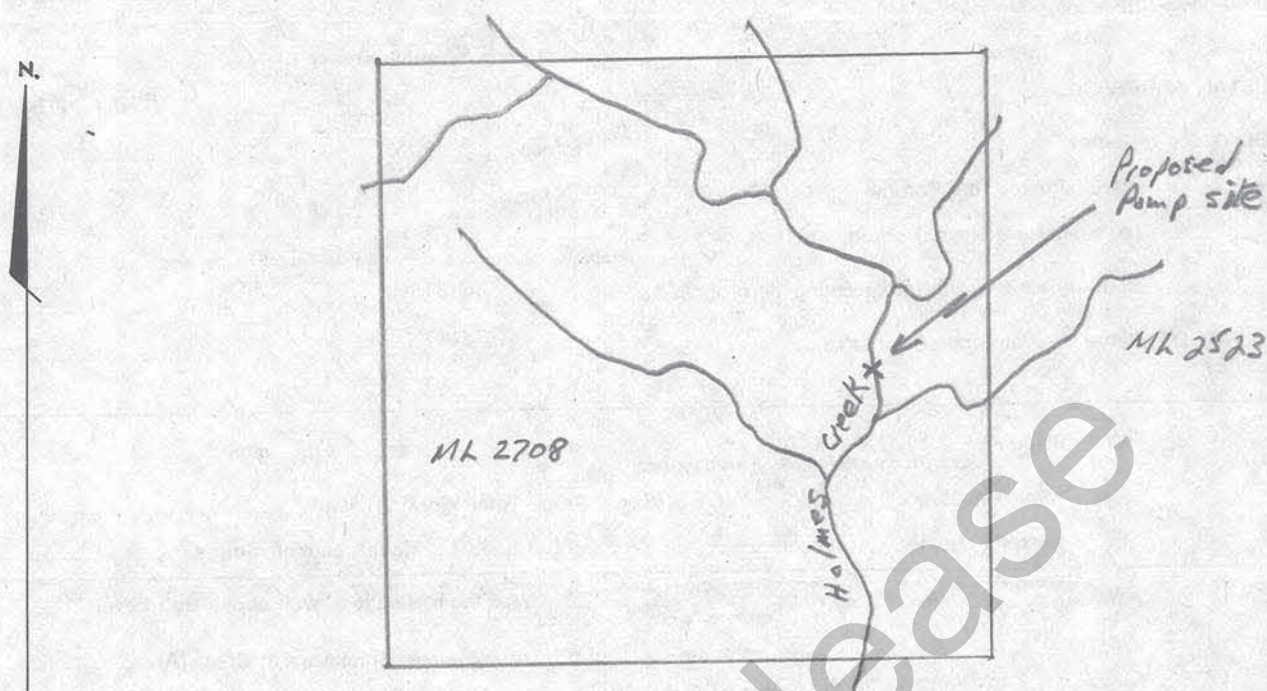
sch4p4 (6) Personal information
 e/l 12/9/83
 Q.W.R.C. 88
 12008 9/81—10M—P L—Govt. Printer. Qld.

(PLEASE TURN OVER)

*Payment Received \$ 40.00
 Receipt No. 70672 12.9.83*

Release

SKETCH PLAN of property boundaries, showing portion numbers, north point, position of stream, direction of flow, location of work, area to be irrigated, etc., to be drawn here:



NOTES ON AN APPLICATION FOR A WATERWORKS LICENSE—PLEASE READ CAREFULLY

1. The sum of \$^{40.00}██████, to cover advertising costs, MUST accompany the Application.
2. An applicant for a Waterworks License should be the registered owner of Freehold land, or the registered lessee of Leasehold land, abutting on the bank of a watercourse or lake, and satisfactory evidence of the applicant's interest in the land must be produced.
3. If the applicant is the owner or lessee of Freehold or Leasehold land which does not abut upon the source of supply, such applicant must produce further documentary evidence of his interest in the land on which the work applied for is to be installed, in the form of a stamped Agreement for Lease, Contract of Sale, or Section 11A Agreement with a landholder adjacent to the watercourse or lake.
4. If the applicant is purchasing the subject land, but the transfer documents have not yet been lodged for registration, he should ask the Solicitor handling the sale to advise the Commissioner of the present position of the transaction.
5. In a case where the person wishing to install works on a watercourse or lake is not the registered owner or lessee of the subject land and is unable to produce any documentary evidence as set out in paragraphs (3) and (4), the application for the License MUST be signed by the registered owner or lessee of the land (a) to which water is to be diverted in the case of a pump or (b) on which the work is to be installed in the case of any other works.
6. Under the Water Act 1926-1981 an application for a License must be advertised in the "Government Gazette" and local newspaper, and even if no objections are received or any objections are received and dismissed, there is no guarantee that a License for the particular size of pump, area or particular size of other work applied for will be granted.
7. Applicants are warned against taking any action to procure a pumping plant or constructing any work in the watercourse, until the application has been approved.
8. All questions in relation to the application must be answered fully, as failure to do so will lead to correspondence with consequent delay in dealing with the application.


442168 217
 QUEENSLAND WATER RESOURCES COMMISSION
APPLICATION FOR WATERWORKS LICENSE
 (Schedule 1—Works Generally)

WATER RESOURCES
MAREEBA
REGIONAL OFFICE
12 SEP 1983

QUEENSLAND COMMISSION

DOC. No. _____

File No. _____ REFER



TO THE COMMISSIONER OF WATER RESOURCES
 G.P.O. BOX 2454, REGIONAL ENGINEER
 BRISBANE, 4001 QUEENSLAND WATER RESOURCES COMMISSION
 P.O. BOX 156, MAREEBA, QLD., 4880

I/WE, QUEENSLAND WOLFRAM PTY. LTD. of MT. CARBINE.
 in the state of Queensland, being the owner/s (or lawful occupier/s) of land situated as described hereunder and shown on the accompanying plan, upon which land it is proposed to construct (or is constructed) and use the work described hereunder, do hereby apply for a License in respect of the said works to be used for the purpose/s as stated in this application.

Dated this SECOND day of SEPTEMBER, 1983 s.78B(2)
 Signature of Applicant/s
for Queensland Wolfram Pty. Ltd.

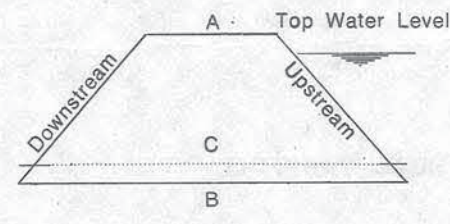
NAME IN FULL QUEENSLAND WOLFRAM PTY. LTD.
 (Block Letters) XXXXXX (Owner/s or lawful occupier/s)
 POSTAL ADDRESS P.M.B. 13, CAIRNS 4870 Phone No. 94 3155

LOCATION OF WORK County DAGMAR Parish MAPPE
 Work situated on Portion M.L 2523
 To supply water to Portion M.L 2523 (TREATMENT PLANT)
 (Give full property descriptions including any subdivisions and resubdivisions)
 State whether works are existing or proposed Proposed

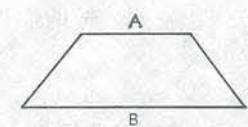
SOURCE OF SUPPLY Name of Watercourse or Lake Wet season run-off from watercourse plus supply from Holmes Creek.

PUMP: Type Centrifugal Size 120 mm X 100 mm
 (Centrifugal, Piston, Submersible, etc.)
 Max Capacity 40 Litres/Sec. Prop. Total Working Head 30 Metres
 Maker's Name Southern Cross Model and/or Series _____

DAM OR WEIR: Type Earth Maximum Height of wall above Bed Level 5 Metres
 (Concrete, Earth, Rock, etc.)
 Length of Crest 90 Metres: Thickness at Crest (A) 5 Metres
 Thickness at Base (B) 15 Metres: Diameter of outlet Pipe (C) _____ Millimetres
 Width of Bywash or Spillway 15 Metres
 Height of Bywash or Spillway above Bed Level 3.5 Metres
 Distance of Backup at Top Water Level 180 Metres
 Storage Capacity 20 Megalitres (approx.)



LEVEE BANK: Maximum Height _____ Metres: Total Length _____ Metres
 Thickness at Crest (A) _____ Metres: Thickness at Base (B) _____ Metres
 Is there a Levee Bank on opposite bank of stream? _____
 If so, will crest of the proposed levee bank be above or below crest of opposite levee bank, and by how much? _____



DIVERSION CHANNEL: Length _____ Metres. Depth _____ Metres
 Width: Top _____ Metres: Bottom _____ Metres: If pipe, diameter _____ mm

PURPOSE OF WORK Water storage for use in Alluvial Tin Mining.
 (State if work is for the purpose of irrigation, water conservation, flood prevention, drainage, etc. and whether existing or proposed.)

WATER IRRIGATION: Crops to be irrigated _____
 UTILISATION Area to be irrigated (Max. proposed under irrigated crop during any one season) _____
 Hectares
 Annual Water Allocation _____ Megalitres (To be completed only if stream regulated)
 Type: () Surface () Spray.

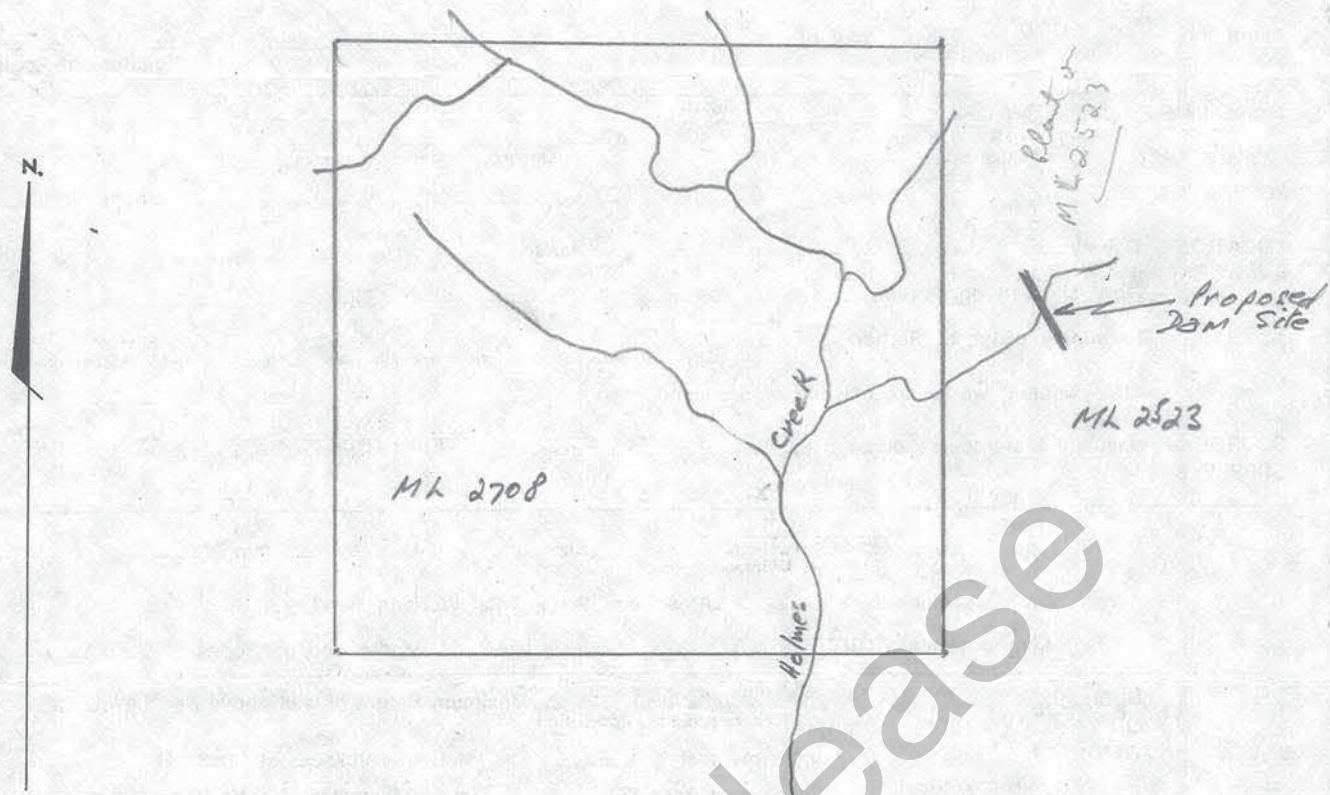
STOCKWATERING: No. and type of stock _____

Q.W.R.C. 88 (PLEASE TURN OVER)
 12008 9/81—10M—P L—Govt. Printer, Qld.

Payment Received \$ 40.00
 Receipt No. 70673 Date 12.9.83
110

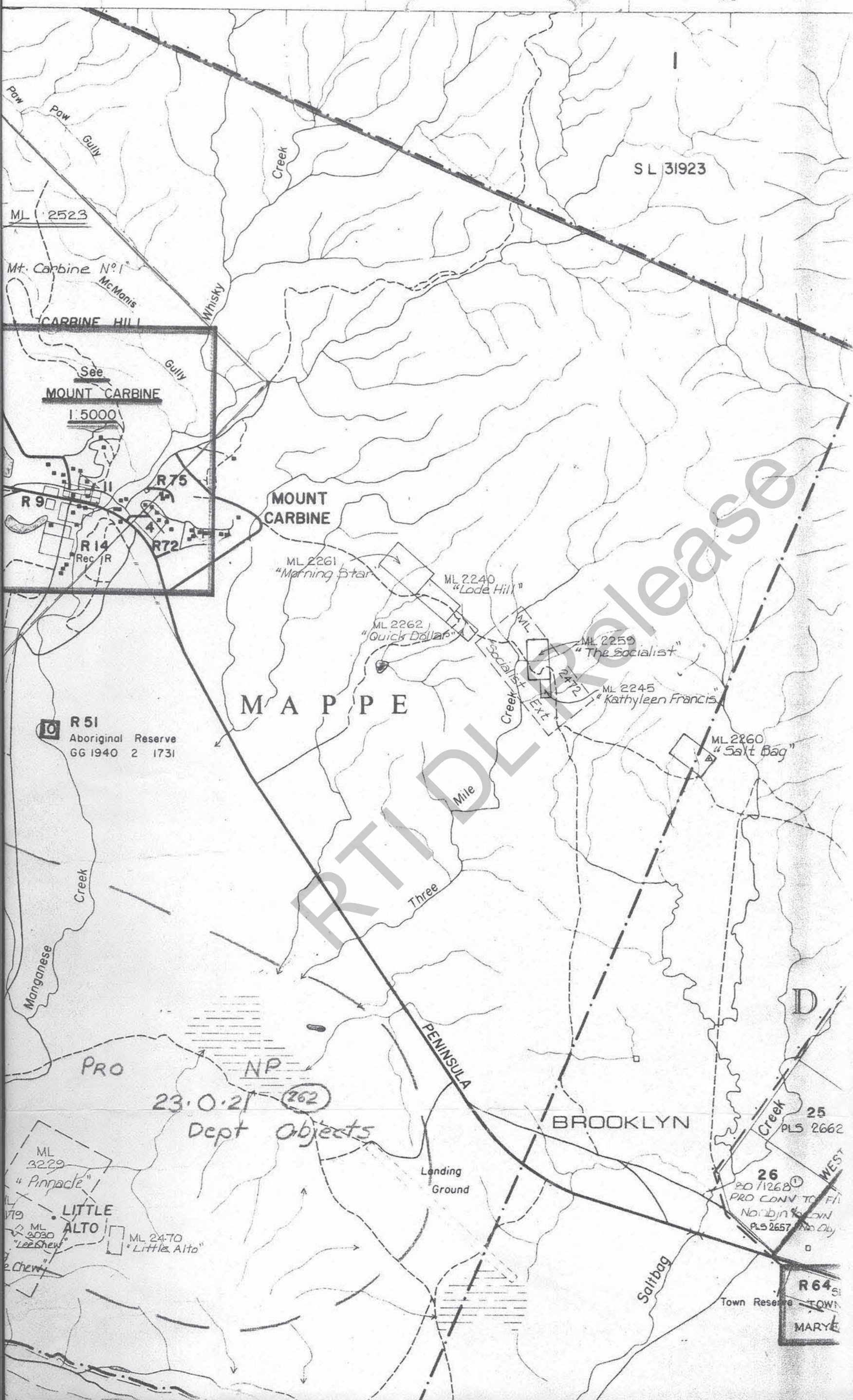
Release

SKETCH PLAN of property boundaries, showing portion numbers, north point, position of stream, direction of flow, location of work, area to be irrigated, etc., to be drawn here:



NOTES ON AN APPLICATION FOR A WATERWORKS LICENSE—PLEASE READ CAREFULLY

1. The sum of \$^{20.00}██████, to cover advertising costs, MUST accompany the Application.
2. An applicant for a Waterworks License should be the registered owner of Freehold land, or the registered lessee of Leasehold land, abutting on the bank of a watercourse or lake, and satisfactory evidence of the applicant's interest in the land must be produced.
3. If the applicant is the owner or lessee of Freehold or Leasehold land which does not abut upon the source of supply, such applicant must produce further documentary evidence of his interest in the land on which the work applied for is to be installed, in the form of a stamped Agreement for Lease, Contract of Sale, or Section 11A Agreement with a landholder adjacent to the watercourse or lake.
4. If the applicant is purchasing the subject land, but the transfer documents have not yet been lodged for registration, he should ask the Solicitor handling the sale to advise the Commissioner of the present position of the transaction.
5. In a case where the person wishing to install works on a watercourse or lake is not the registered owner or lessee of the subject land and is unable to produce any documentary evidence as set out in paragraphs (3) and (4), the application for the License MUST be signed by the registered owner or lessee of the land (a) to which water is to be diverted in the case of a pump or (b) on which the work is to be installed in the case of any other works.
6. Under the Water Act 1926-1981 an application for a License must be advertised in the "Government Gazette" and local newspaper, and even if no objections are received or any objections are received and dismissed, there is no guarantee that a License for the particular size of pump, area or particular size of other work applied for will be granted.
7. Applicants are warned against taking any action to procure a pumping plant or constructing any work in the watercourse, until the application has been approved.
8. All questions in relation to the application must be answered fully, as failure to do so will lead to correspondence with consequent delay in dealing with the application.



RTI/DL release

1581 r W G Fossatt

JP

13th September 1983

The Manager
 Cairns Post Pty Ltd
 P O Box 126
 CAIRNS Q 4870

Dear Sir

Please insert the following notice in your publication. Local Order No. 20740 to cover same is attached.

Your account to cover the cost of this advertisement should be sent direct to:-

Queensland Water Resources Commission
 C/- Government Advertising Officer
 P O Box 183
 BRISBANE NORTH QUAY Q 4000

Yours faithfully

W D SOUTER
REGIONAL ENGINEER

Newspaper	- Cairns Post
Date	- Saturday 17th September 1983
Classification	- Open Page
Space	- Set Solid, Single Column

QUEENSLAND WATER RESOURCES
 COMMISSION

P.O. Box 156, Mareeba
 (one line space)

Applications for Licenses

T.W. JOHNSON

Portion 33V, Parish of Herberton, County of Cardwell. Proposed 65 mm Centrifugal Pump for irrigation of 4 hectares from Unnamed tributary of Marshall Creek. Existing 4.6 m and 3.0 m Earth Dams for water conservation on Unnamed tributary of Marshall Creek.

T.W. JOHNSON

Portion 167, Parish of Herberton, County of Cardwell. Existing 50 mm Centrifugal Pump for irrigation of 4 hectares from Unnamed tributary of Marshall Creek. Existing 3.0 m and 5.0 m Earth Dams for water conservation on Unnamed tributary of Marshall Creek.

G. A H.C.T. CLIFFORD

Lot 122 on R.P. 35352 (original Portion 377), Parish of Cairns, County of Maree.

-/2

Proposed 25 mm Centrifugal Pump for irrigation of 1 hectare from Groves Creek.

O.J. & T.A. DONAGHY

Portion 382, Parish of East Barron, County of Nares. Proposed 5.0 m Earth Dam for water conservation on Mareebi Creek.

J.C. WALTON

Portion 254, Parish of Johnstone, County of Nares. Proposed 50 mm Centrifugal Pump for irrigation of 16 hectares from Bora Creek.

QUEENSLAND WOLFRAM PTY. LTD.

Pump on M.L. 2708 to supply M.L. 2523

(Mareeba), Parish of Mappe, County of

Dagmar. Proposed 80 mm Centrifugal Pump for mining operations on Holmes Creek.

QUEENSLAND WOLFRAM PTY. LTD.

M.L. 2523 (Mareeba), Parish of Mappe, County of Dagmar. Proposed 100 mm Centrifugal Pump for mining operations on Unnamed tributary of Holmes Creek.

Proposed 5.0 m Earth Dam for water conservation on Unnamed tributary of Holmes Creek.

M., W.J. & M.J. BECKHAM

Portion 548, Parish of Dirran, County of Nares. Proposed 80 mm Centrifugal Pump for irrigation of 60 hectares from Deehm Creek.

Closing date for written objections from riparian landholders within a distance of eight kilometres upstream or twenty-four kilometres downstream is 7th October 1983.

Objectors must state their property description and their grounds for objection.

B/C Secretary
BRISBANE

URGENT - ATTENTION OPERATIONS BRANCH

Mareeba Applications

44206 to 44208	T.W. Johnson
44209 to 44211	T.W. Johnson
44212	G. & H.C.T. Clifford
44213	O.J. & T.A. Donaghy
44214	J.C. Walton
44215	Queensland Wolfram Pty. Ltd.
44216 & 44217	Queensland Wolfram Pty. Ltd.
44218	M., W.J. & M.J. Beckham

REGIONAL ENGINEER

WATER ACT 1926-1983

APPLICATIONS for licenses:-

Application No.	Name of Applicant	Portion	Parish	County	Watercourse	Nature of Work	Object of Work	Area or REFER Volume
42168	Fields, R. J.	Portion 7	Parker	Stanley	Cedar Creek	50 mm centrifugal pump	Irrigation, domestic and stock water	2 ha
42163	Sippel, N. C.	Portion 344	Durundur	Canning	Unnamed tributary of Monkeybong Creek	Diversion pipe— Length: 4 m Diameter: 300 mm	Water conservation	..
42162	Thomson, A. R.	Sub. 8 of portion 109	Avoca	Cavendish	Brisbane River	50 mm centrifugal pump	Irrigation See footnote (a)	16 ha
42164	E. N. Kruger Holdings Pty. Ltd., care of Kruger, E. N.	Pump on (1) Portions 12 and 49 to supply (1) Portions 12 and 49 and (2) Portion 181A	(1) Mutdapilly (2) Jeebropilly	Churchill	Unnamed tributary of Warrill Creek locally known as Ten Mile Swamp	80 mm centrifugal pump	Irrigation	4 ha
42165	ditto	Portions 49 and 12	Mutdapilly	ditto	Warrill Creek	80 mm centrifugal pump	Water harvesting	..
42166	ditto	ditto	ditto	ditto	Unnamed tributary of Warrill Creek locally known as Ten Mile Swamp	1 m high earth dam	Water conservation for irrigation	..
44047	Bull, N. P. and E. L.	Sub. 1 of portion 68	Cunningham	Merivale	Condamine River	40 mm centrifugal pump	Irrigation	4 ha
44213	Donaghy, O. J. and T. A.	Portion 382	East Barron	Nares	Maroobi Creek	5.0 m earth dam	Water conservation	..
44214	Walton, J. C.	Portion 254	Johnstone	Nares	Bora Creek	50 mm centrifugal pump	Irrigation	16 ha
44215	Queensland Wolfram Pty. Ltd.	Pump on M.L. 2708 to supply M.L. 2523 (Mareeba)	Mappe	Dagmar	Holmes Creek	80 mm centrifugal pump	Mining operations	..
44216	Queensland Wolfram Pty. Ltd.	M.L. 2523 (Mareeba)	Mappe	Dagmar	Unnamed tributary of Holmes Creek	100 mm centrifugal pump	Mining operations	..
44217	ditto	ditto	ditto	ditto	ditto	5.0 m earth dam	Water conservation	..
44218	Beckham, M., W. J. and M. J.	Portion 548	Dirran	Nares	Deebun Creek	80 mm centrifugal pump	Irrigation	60 ha
41680	Fairbairn, L. N. and C. G.	Sub. 5 of portion 501	Miriam Vale	Flinders	Colosseum Creek	300 mm centrifugal pump	Water harvesting	..
43034	Pratt, G.	Resub. 1 of sub. 1 of portion 402	Saint Helens	Carlisle	Unnamed tributary of Home Creek	2 m earth weir	Water conservation for irrigation	..
43033	ditto	Pump on resub. 1 of sub. 1 of portion 402 to supply that and sub. 2 of resub. 1 of portion 402	ditto	ditto	ditto	50 mm centrifugal pump	Irrigation	25 ha
41329	Roche Products Pty. Ltd.	Pump on Lot 1 on R.P. 9985 to supply subs. 8 and 10 of por. 1047, sub. 36 of por. 128, por. 132 and por. 290	Murchison	Livingstone	Fitzroy River (Regulated Section)	100 mm centrifugal pump	Irrigation See footnote (b)	123 MI
44206	Johnson, T. W.	Portion 33v	Herberton	Cardwell	Unnamed tributary of Marshall Creek	65 mm centrifugal pump	Irrigation	4 ha
44207	ditto	ditto	ditto	ditto	ditto	4.6 m earth dam	Water conservation	..
44208	ditto	ditto	ditto	ditto	ditto	3.0 m earth dam	Water conservation	..
44209	Johnson, T. W.	Portion 167	Herberton	Cardwell	Unnamed tributary of Marshall Creek	50 mm centrifugal pump	Irrigation	4 ha
44210	ditto	ditto	ditto	ditto	ditto	3.0 m earth dam	Water conservation	..
44211	ditto	ditto	ditto	ditto	ditto	5.0 m earth dam	Water conservation	..
44212	Clifford, G. and H. C. T.	Lot 122 on R.P. 35352 (originally por 377)	Cairns	Nares	Groves Creek	25 mm centrifugal pump	Irrigation	1 ha
44055	Jensen, G. R., R. G. and J. A.	Subs. 17, 18 and 19 of portion 42	Mondure	Fitzroy	Barambah River	80 mm centrifugal pump	Irrigation See footnote (c)	80 ha
44056	ditto	Sub. 19 of portion 42	ditto	ditto	ditto	125 mm centrifugal pump	Flood harvesting See footnote (d)	..
44049	Jenckel, L. W.	Pump on sub. 7 of portion 15A to supply Lot 1 on R.P. 116953	Terry	Churchill	Lockyer Creek	50 mm centrifugal pump	Irrigation	8 ha
44048	Hamlyn-Harris, A. G. and J. W.	Pump on portion 61v to supply portions 60v, 61v and 63v	Neerdie	March	Sandy Creek	50 mm centrifugal pump	Irrigation and water harvesting	20 ha
44017	Kelly, M. D.	Portion 72	Bundi	Fortescue	Horse Creek	3 m high and 1 000 m long levee bank	Flood prevention	..
44040	Wolski, K. W. and S. M.	Portion 66	Ewer	Derby	Condamine River	80 mm centrifugal pump	Irrigation See footnote (e)	125 MI in conj.
43206	Pringle, M. J. and R. D.	Pump on portions 30 and 33 to supply portions 30, 33 and 36	Burgorah	Belmore	Thuraggi Channel	375 mm centrifugal pump	Irrigation See footnote (f)	1 000 MI
43205	ditto	Pump on portion 5 to supply portions 5A and Lot 1 on R.P. 118324	St. George	Belmore	Balonne River	150 mm centrifugal pump	Irrigation See footnote (g)	240 MI
43601	Clarke, C. F.	Portion 2	Lilian	Woura	Torrens Creek	150 mm centrifugal pump	Water harvesting and irrigation	500 ha

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APPLICATIONS for licenses:—*continued*

Application No.	Name of Applicant	Portion	Parish	County	Watercourse	Nature of Work	Object of Work	Area or Volume
43602	Paleda Pty. Ltd.	Pump on Stock Route R.72 to supply portion 162	Longreach	Portland	Anabranch of Thomson River (known as Blue Dog Lagoon)	40 mm centrifugal pump	Stock water	

- (a) This application is to replace cancelled Waterworks License No. 28287.
 (b) This application is to replace Waterworks License No. 26151 which expired and was cancelled due to failure to renew. There is no increase in pump size or allocation.
 (c) This application and Application No. 44056 are to replace existing Waterworks License No. 17056 and cancelled Waterworks License No. 7430.
 (d) This application and Application No. 44055 are to replace existing Waterworks License No. 17056 and cancelled Waterworks License No. 7430.
 (e) This application is for a Waterworks License to be used in conjunction with existing Waterworks License No. 37718 for a total annual water allocation of 125 ML.
 (f) This application is to replace existing Waterworks License No. 37839 with an increase in pump size from 80 mm to 375 mm and an increase in annual water allocation from 35 ML to 1 000 ML.
 (g) This application is to replace existing Waterworks License No. 29365 with an increase in pump size from 100 mm to 150 mm and an increase in annual water allocation from 25 ML to 240 ML.

Any owner of land, abutting on the above watercourses, within a radius of eight kilometres upstream or twenty-four kilometres downstream of the applicant's lands, or where the work is not on a watercourse, within a radius of eight kilometres of the applicant's lands, may object in writing (giving the grounds for objection) to such application being granted. The last date for receipt of objection is 21st October, 1983, except Application Nos. 41680 and 44040 which is 14th October, 1983 and Application Nos. 44206 to 44218, 41329, 43033, 43034, 43205 and 43206 which is 7th October, 1983.

G. J. BERTRAM, Acting Secretary to The Commissioner of Water Resources.

Mineral House, 41 George Street, Brisbane, 23rd September, 1983.

RTI DL Release

WATER ACT 1926-1983

QUEENSLAND REGIONAL OFFICE
13 OCT 1983
DOC. No.

APPLICATIONS for licenses:—

Application No.	Name of Applicant	Portion	Parish	County	Watercourse	Nature of Work	FILE	REFER
							Object of Work	Area or Volume
42168	Fields, R. J.	Portion 7	Parker	Stanley	Cedar Creek	50 mm centrifugal pump	Irrigation, domestic and stock water	2 ha
42163	Sippel, N. C.	Portion 344	Durundur	Canning	Unnamed tributary of Monkeybong Creek	Diversion pipe— Length: 4 m Diameter: 300 mm	Water conservation	..
42162	Thomson, A. R.	Sub. 8 of portion 109	Avoca	Cavendish	Brisbane River	50 mm centrifugal pump	Irrigation See footnote (a)	16 ha
42164	E. N. Kruger Holdings Pty. Ltd., care of Kruger, E. N.	Pump on (1) Portions 12 and 49 to supply (1) Portions 12 and 49 and (2) Portion 181A	(1) Mutdapilly (2) Jeebro-pilly	Churchill	Unnamed tributary of Warrill Creek locally known as Ten Mile Swamp	80 mm centrifugal pump	Irrigation	4 ha
42165	ditto	Portions 49 and 12	Mutdapilly	ditto	Warrill Creek	80 mm centrifugal pump	Water harvesting	..
42166	ditto	ditto	ditto	ditto	Unnamed tributary of Warrill Creek locally known as Ten Mile Swamp	1 m high earth dam	Water conservation for irrigation	..
44047	Bull, N. P. and E. L.	Sub. 1 of portion 68	Cunningham	Merivale	Condamine River	40 mm centrifugal pump	Irrigation	4 ha
44213	Donaghy, O. J. and T. A.	Portion 382	East Barron	Nares	Maroobi Creek	5.0 m earth dam	Water conservation	..
44214	Walton, J. C.	Portion 254	Johnstone	Nares	Bora Creek	50 mm centrifugal pump	Irrigation	16 ha
44215	Queensland Pty. Ltd. Wolfram	Pump on M.L. 2708 to supply M.L. 2523 (Mareeba)	Mappe	Dagmar	Holmes Creek	80 mm centrifugal pump	Mining operations	..
44216	Queensland Pty. Ltd. Wolfram	M.L. 2523 (Mareeba)	Mappe	Dagmar	Unnamed tributary of Holmes Creek	100 mm centrifugal pump	Mining operations	..
44217	ditto	ditto	ditto	ditto	ditto	5.0 m earth dam	Water conservation	..
44218	Beckham, M., W. J. and M. J.	Portion 548	Dirran	Nares	Deebun Creek	80 mm centrifugal pump	Irrigation	60 ha
41680	Fairbairn, L. N. and C. G.	Sub. 5 of portion 501	Miriam Vale	Flinders	Colosseum Creek	300 mm centrifugal pump	Water harvesting	..
43034	Pratt, G.	Resub. 1 of sub. 1 of portion 402	Saint Helens	Carlisle	Unnamed tributary of Home Creek	2 m earth weir	Water conservation for irrigation	..
43033	ditto	Pump on resub. 1 of sub. 1 of portion 402 to supply that and sub. 2 of resub. 1 of portion 402	ditto	ditto	ditto	50 mm centrifugal pump	Irrigation	25 ha
41329	Roche Products Pty. Ltd.	Pump on Lot 1 on R.P. 9985 to supply subs. 8 and 10 of por. 1047, sub. 36 of por. 128, por. 132 and por. 290	Murchison	Livingstone	Fitzroy River (Regulated Section)	100 mm centrifugal pump	Irrigation See footnote (b)	123 Ml
44206	Johnson, T. W.	Portion 33v	Herberton	Cardwell	Unnamed tributary of Marshall Creek	65 mm centrifugal pump	Irrigation	4 ha
44207	ditto	ditto	ditto	ditto	ditto	4.6 m earth dam	Water conservation	..
44208	ditto	ditto	ditto	ditto	ditto	3.0 m earth dam	Water conservation	..
44209	Johnson, T. W.	Portion 167	Herberton	Cardwell	Unnamed tributary of Marshall Creek	50 mm centrifugal pump	Irrigation	4 ha
44210	ditto	ditto	ditto	ditto	ditto	3.0 m earth dam	Water conservation	..
44211	ditto	ditto	ditto	ditto	ditto	5.0 m earth dam	Water conservation	..
44212	Clifford, G. and H. C. T.	Lot 122 on R.P. 35352 (originally por 377)	Cairns	Nares	Groves Creek	25 mm centrifugal pump	Irrigation	1 ha
44055	Jensen, G. R., R. G. and J. A.	Subs. 17, 18 and 19 of portion 42	Mondure	Fitzroy	Barambah River	80 mm centrifugal pump	Irrigation See footnote (c)	80 ha
44056	ditto	Sub. 19 of portion 42	ditto	ditto	ditto	125 mm centrifugal pump	Flood harvesting See footnote (d)	..
44049	Jenckel, L. W.	Pump on sub. 7 of portion 15A to supply Lot 1 on R.P. 116953	Terry	Churchill	Lockyer Creek	50 mm centrifugal pump	Irrigation	8 ha
44048	Hamlyn-Harris, A. G. and J. W.	Pump on portion 61v to supply portions 60v, 61v and 63v	Neerdie	March	Sandy Creek	50 mm centrifugal pump	Irrigation and water harvesting	20 ha
44017	Kelly, M. D.	Portion 72	Bundi	Fortescue	Horse Creek	3 m high and 1 000 m long levee bank	Flood prevention	..
44040	Wolski, K. W. and S. M.	Portion 66	Ewer	Derby	Condamine River	80 mm centrifugal pump	Irrigation See footnote (e)	125 Ml in conj.
43206	Pringle, M. J. and R. D.	Pump on portions 30 and 33 to supply portions 30, 33 and 36	Burgorah	Belmore	Thuraggi Channel	375 mm centrifugal pump	Irrigation See footnote (f)	1 000 Ml
43205	ditto	Pump on portion 5 to supply portions 5A and Lot 1 on R.P. 118324	St. George	Belmore	Balonne River	150 mm centrifugal pump	Irrigation See footnote (g)	240 Ml
43601	Clarke, C. F.	Portion 2	Lilian	Woura	Torrens Creek	150 mm centrifugal pump	Water harvesting and irrigation	500 ha

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