



# APPENDIX A

## Quarrico Website Details



[Home](#) [Contact Us](#) [Quarry Products](#) [Territory](#)

HOME

Quarrico Providing:

Quarry products, Screened sand, Concrete supplies & Crushing services to the mining and construction industries within Central Qld.

Quarrico is managed and staffed by Highly qualified and experienced professionals

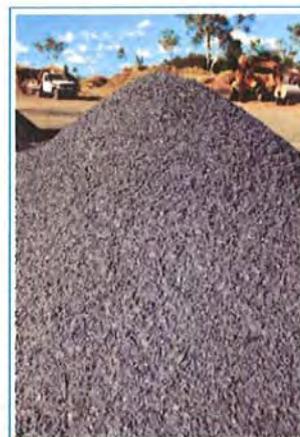
Quarrico Pty Ltd has leased the Grosvenor Downs quarry from January 2007.

Our services include supply of [quarry materials](#) and sand from a fixed location and offer complete mobile crushing operations.

The purpose of the quarry is to provide much needed quarry products to the local mines and industries within [Central Qld](#).

Quarrico has recently purchased a mobile crusher/impactor, screen plant and pugmill to make a complete mobile crushing facility.

Quarrico Pty Ltd is a quarry business that has started in January 2007. The partners in the business are Mr Joseph Zarb and Mr Markis Turner.



msie7

© Copyright Quarrico 2007

Site by Helpwizards



## CRD TO MORANBAH PIPELINE

www.quarrico.com.au - Contact Us

Page 1 of 1



[Home](#) [Contact Us](#) ▾ [Quarry Products](#) [Territory](#)

[HOME](#) ► [CONTACT US](#)

Site Grosvenor Quarry Moranbah Qld

P : 07 49418500

F : 07 49418511

E : [admin@quarrico.com.au](mailto:admin@quarrico.com.au)

Postal Address PO Box 6042  
Mackay Mail Centre, Qld 4741

Joe Zarb (Manager Operations)

M : 0427 195 408

E : [jzarb@quarrico.com.au](mailto:jzarb@quarrico.com.au)

Markis Turner (Commercial & WHS)

M : 0417 788 973

E : [mturner@quarrico.com.au](mailto:mturner@quarrico.com.au)

msie7

© Copyright Quarrico 2007

Site by Helpwizards

[http://www.quarrico.com.au/index.php?option=com\\_content&task=view&id=16&Itemid=43](http://www.quarrico.com.au/index.php?option=com_content&task=view&id=16&Itemid=43) 7/4/09



Home Contact Us ▾ Quarry Products Territory

[HOME](#) ► [QUARRY PRODUCTS](#)

**We Supply & Deliver  
For Information and Pricing  
[Contact Us](#)**

- Amour Rock from pit
- Amour Rock 200mm rip rap
- Aggregate 20mm
- Aggregates 20mm (second grade)
- 100/50 Ballast
- 40/20 Ballast
- 40/20 Ballast Mix
- Crusher Dust
- Concrete Crust Dust (blue)
- Drainage Stone 10mm
- Road Base 2.2 (CBR 60)
- Road Base 2.3 (CBR 45)
- Road Base 2.4 (CBR 35)
- Mine Road Base 2.5 (CBR 15)
- Ungraded Mine Road Base
- 100-200mm Rock (over grizzly)
- Scaplings
- 30/20 Stemming
- Unrated fill
- 10mm Flakey



msie7

© Copyright Quarrico 2007

Site by Helpwizards



Home Contact Us ▾ Quarry Products Territory

HOME ► TERRITORY

### Quarrico Area of operation

Centrally located to provide much needed quarry products to the local mines and industries within Central Qld.



Imagery ©2009 NASA, TerraMetrics, Map data ©2009 GBRMPA, Map data ©2009 GBRMPA, Map data ©2009 GBRMPA

msie7

© Copyright Quarrico 2007

Site by Helpwizards



# APPENDIX B

## Isaac River Sand Grading



# CRD TO MORANBAH PIPELINE



Geotechnical Engineering Consultants  
Soils Laboratory Services  
Environmental Consultants  
MITSUNDAY

Att: [Handwritten mark]

Address:  
36 Goonyella Road  
Moranbah Qld 4744

Telephone: (07) 4941 6566  
Facsimile: (07) 4941 6566

All correspondence to: P.O. Box 6735, Mackay Mail Centre, QLD.

Email: whbowler@bigpond.net.au  
Website: www.bowlergeotechnical.com.au

Also at: Gold Coast Hillcrest Sunshine Coast Gladstone Rockham  
Townsville Cairns Bendigo (Vic) and Sydney - Associated Office  
in Melbourne Adelaide Perth Vietnam and Papua New Guinea

## REPORT ON SOIL CLASSIFICATION

CLIENT	CQE HIRE	JOB NO:	BW1517
PROJECT	QA	REPORT NO:	2
ORDER NO:	0039	SAMPLE LOCATION:	Isaac River
LABORATORY REF NO:	M08/0183	DEPTH:	
MATERIAL	Sand	CH (m):	
LOT NO		OFFSET (m):	
PREP. METHOD (PI)	OVEN/DRY	CLASSIFICATION	AS 1289.3.6.1-1997
SIEVE SIZE (mm)	SAMPLE % PASS	COBBLES	
152.4			
75.0			
53.0			
37.5		coarse:	
25.0			
19.0		medium:	GRAVEL
13.2			
9.5		fine :	
6.7			
4.75	100	coarse:	
2.36	99		
1.18	93	medium:	SAND
0.600	68		
0.425	42	fine :	
0.300	17		
0.150	1		
0.075	0.2	CLAY OR SILT	
	RESULTS		
LIQUID LIMIT (%)			
PLASTIC LIMIT (%)			
PLASTICITY INDEX (%)			
LINEAR SHRINKAGE (%)			
FIELD MOISTURE (%)			
CURLING/CRUMBLING			
TEST METHODS	AS1289 3.6.1, 2.1.1.3.1.1, 3.2.1.3.3.1, 3.4.1		
TESTED BY	M.N.	DATE:	28/02/2008
REPORTED BY	K.Z.	DATE:	03/03/2008
CHECKED BY	M.N.	Approved Signatory:	M.Noble



NATA Accreditation Number 14933  
Accredited for compliance  
with ISO/IEC 17025

This document is issued in  
accordance with NATA's  
accreditation requirements

Russhan Pty Ltd ACN 080 850 871 Dunley Pty Ltd ACN 097 022 421

10:49416566

3-MAR-2008 12:22 FROM: BOWLER GEOTECHNICAL 610749415911



# APPENDIX C

## Observed Sand Resource Extent



## CRD TO MORANBAH PIPELINE

### Key to Plates

Red Line – Field Inspection Route

Yellow Outlined Areas – Creek/River Beds Visited During Field Inspection

Green Outlined Areas – Creek/River Bed Locations Visited, Designated and Photographed by SunWater

Orange Outlined Areas – Possible Creek/River Bed Sources for Bedding Sand



## CRD TO MORANBAH PIPELINE



Plate C1: General View of North Creek South of Peak Downs Highway and West of Daunia Road



## CRD TO MORANBAH PIPELINE



Plate C2: North Creek South of Peak Downs Highway and West of Daunia Road



## CRD TO MORANBAH PIPELINE



Plate C3: General View of Harrybrandt Creek South of the Peak Downs Highway and West of the Northern End of the Fitzroy Development Road



## CRD TO MORANBAH PIPELINE



*Plate C4: Western Section of Harrybrandt Creek South of the Peak Downs Highway*



## CRD TO MORANBAH PIPELINE



Plate C5: Eastern Section of Harrybrandt Creek South of the Peak Downs Highway



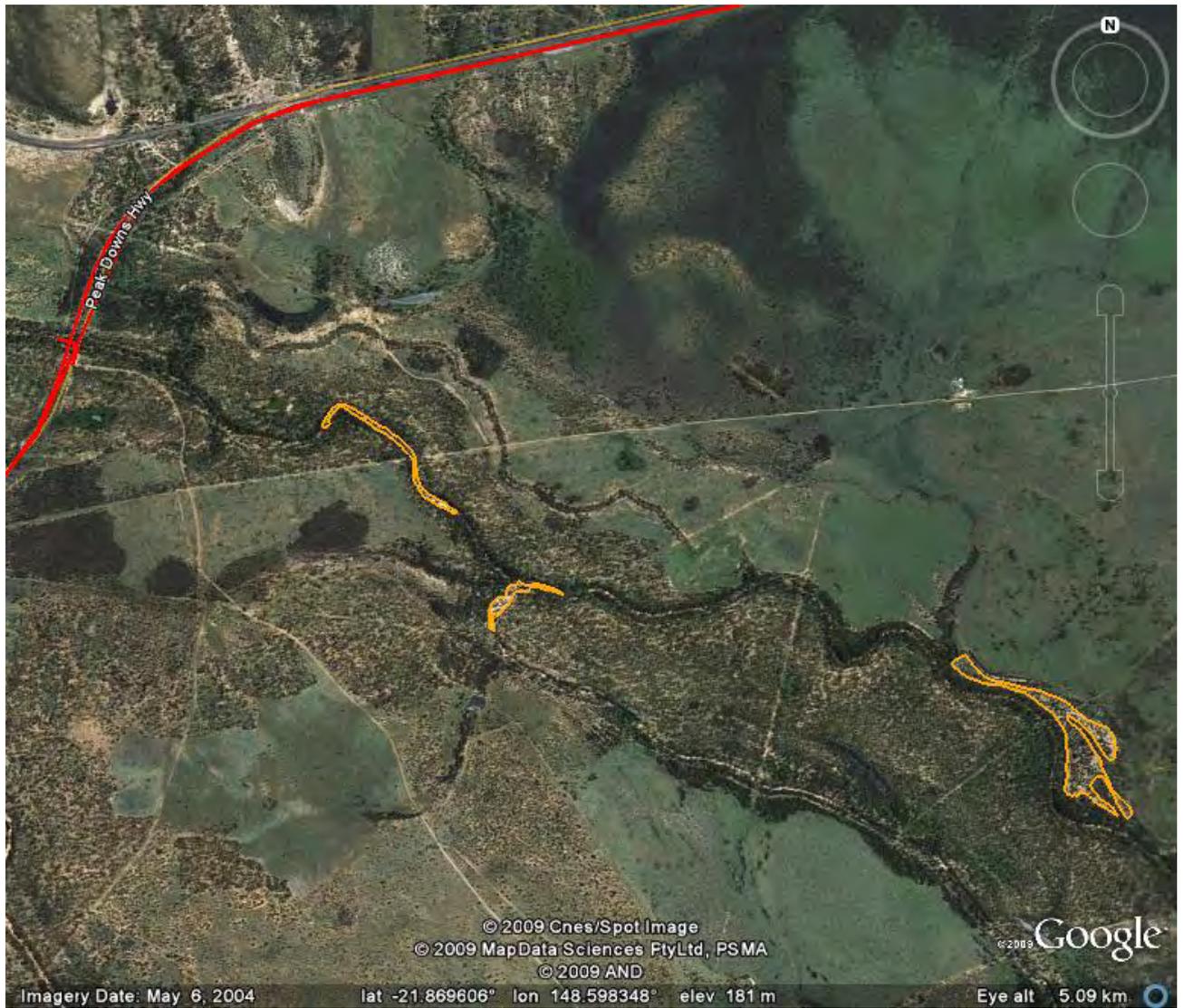
## CRD TO MORANBAH PIPELINE



Plate C6: Section of Harrybrandt Creek Adjacent to Northern End of Fitzroy Development Road



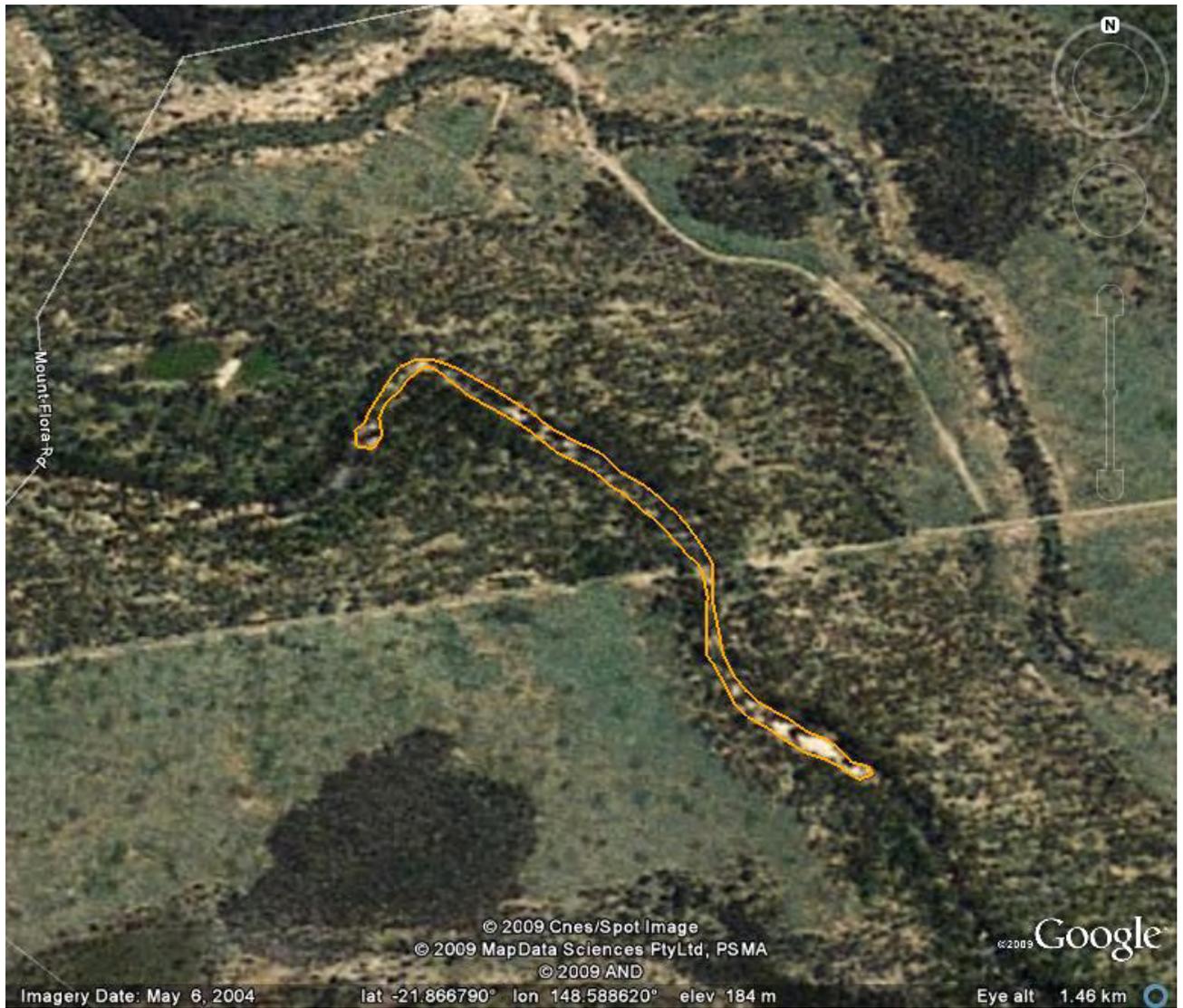
## CRD TO MORANBAH PIPELINE



*Plate C7: General View of Bee Creek South of Peak Downs Highway and BMA Easement*



## CRD TO MORANBAH PIPELINE



*Plate C8: Bee Creek South of Peak Downs Highway and Adjacent to BMA Easement*



## CRD TO MORANBAH PIPELINE



*Plate C9: Bee Creek South of BMA Easement at Northern End of Braided Section*



## CRD TO MORANBAH PIPELINE



*Plate C10: Eastern Channel of Bee Creek South of BMA Easement*



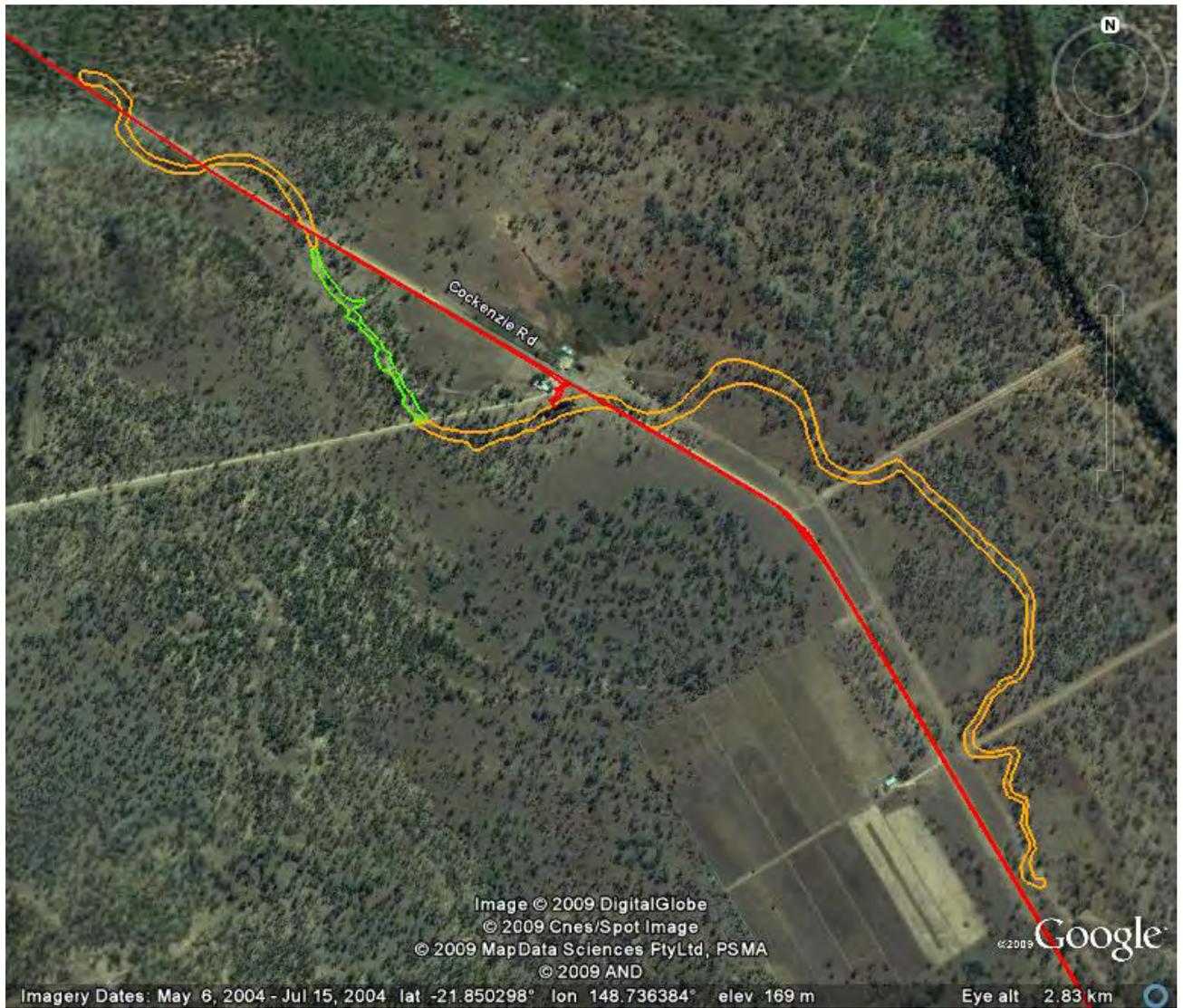
## CRD TO MORANBAH PIPELINE



Plate C11: Possible Filled Old Nebo Creek Channel Between Peak Downs Highway and BMA Easement



## CRD TO MORANBAH PIPELINE



*Plate C12: BMA Pit and Possible Filled Old Nebo Creek Channel*



## CRD TO MORANBAH PIPELINE



*Plate C13: General View of Dension Creek East of Braeside Bore Field*