

Date: 29 November 2024

Re: Buller Coalfield Zone 1: Denniston Plateau

1.0 Notified BCZ

A map of the notified Buller Coalfield Zone (BCZ) at Denniston Plateau is included in **Figure 1** below and attached in **Appendix 1**.



Figure 1: Notified BCZ at Denniston Plateau.

2.0 Submissions

2.1 Oppose

John Caygill (S290.011) seeks to remove the BCZ from all public conservation land. The submitter has provided a description of the important species within the Denniston-Stockton plateau within their submission.

Karen Lippiatt (S439.007) seeks to exclude Denniston Plateau from the BCZ.

2.2 Amend

Bathurst Resources Limited and BT Mining Limited (S491.053 and S491.034) seek to ensure the maps include all areas in Attachment 1 of their submission (**Figure 2**). The submitter seeks to amend the Open Space Zone boundaries in the Buller Plateau and Denniston Plateau to the BCZ This is supported in part by Bathurst Resources Limited and BT Mining Limited (FS89.004).

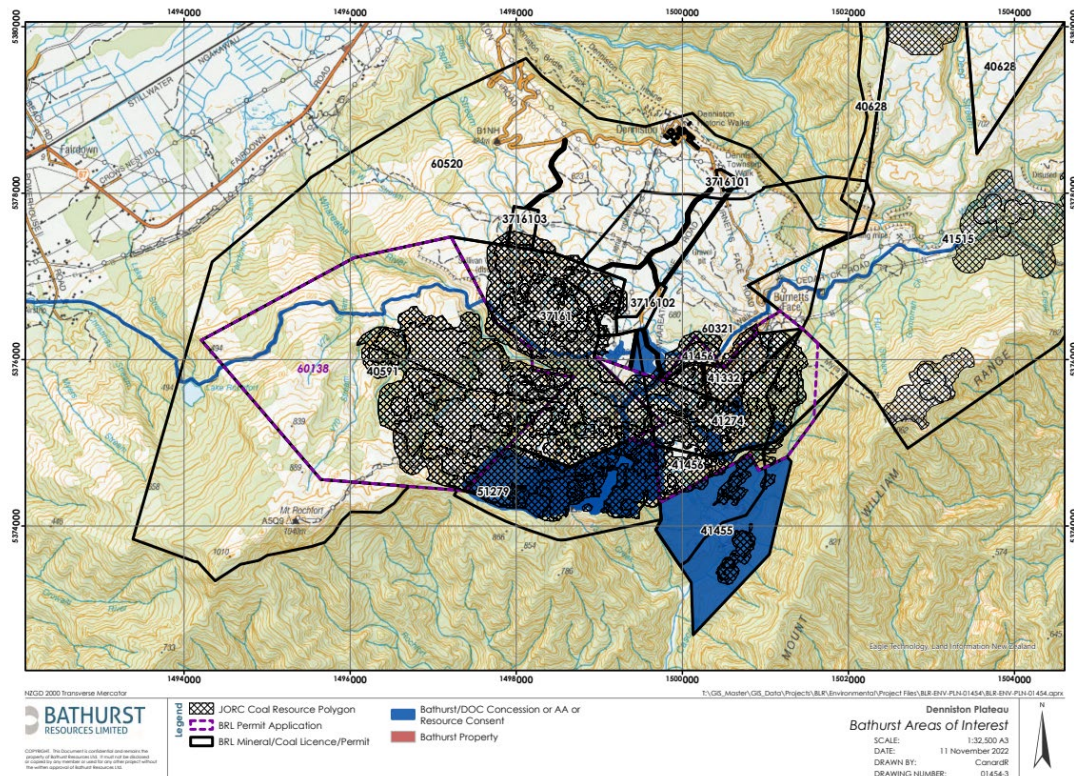


Figure 2: Map in relation to Denniston Plateau from Attachment 1 of S491.

Department of Conservation (S602.221) seeks to amend the mapping of the MINZ and the BCZ overlay to exclude any areas in the zone that do not have current authorisation for mining activity through the Coal Mining Act 1979 or resource consent under the RMA. This is opposed by Bathurst Resources Limited and BT Mining Limited (FS89.033).

3.0 Evidence

3.1 Bathurst Resources Limited and BT Mining Limited (S491)- Mitchell Daysh Limited

Evidence was received from Claire Hunter of Mitchell Daysh Limited on behalf of Bathurst Resources Limited and BT Mining Limited (S491) regarding the notified BCZ at Denniston Plateau. Ms Hunter cites that the Bathurst submission seeks the planning maps to be amended to cover all areas where they have existing land use authorisation for mineral extraction and related activities as shown in the maps attached as Annexure B of her evidence (**Figure 3**). It is noted that the map provided cites RC0/70A-H as the authorisation mechanisms that establish lawfully established activities in the areas sought to be added to the BCZ at Denniston Plateau. A copy of this resource consent was not provided along with the evidence however RC10/70 and its variations were provided by Buller District Council and are discussed below.

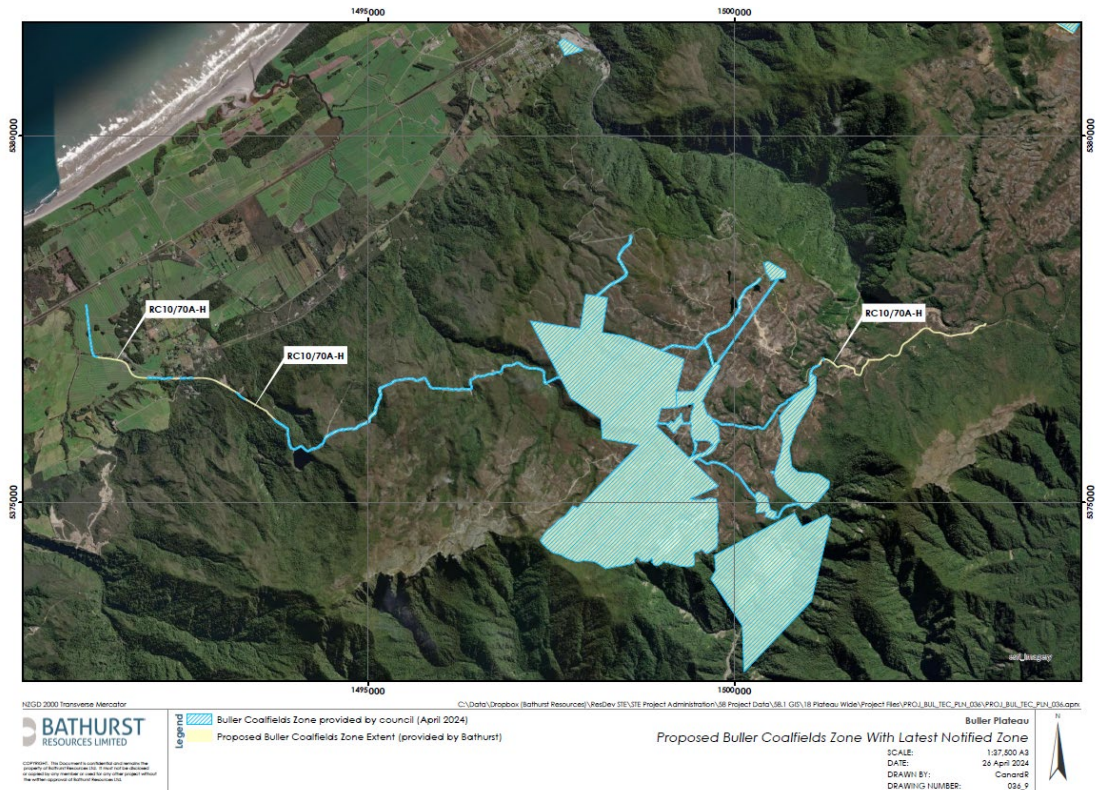


Figure 3: Extract from Attachment B of Evidence provided by Claire Huter- relevant to BCZ at Denniston Plateau.

3.2 Bathurst Resources Limited and BT Mining Limited (S491) – Memorandum of Council

Further Evidence was received via Memorandum of Counsel from Christina Sheard and Joshua Leckie on behalf of Bathurst Resources Limited and BT Mining Limited (S491) in relation to the notified BCZ at Denniston Plateau. This evidence includes maps that identify the authorisation mechanisms, in the form of CML, ACML and recourse consents, which establish the areas of existing lawfully established mining activities within the notified BCZ at Denniston Plateau.

- Annexure C of the memorandum provides a map showing resource consents at Denniston Plateau as RC10/70A-H, RC160055 and RC02146 (**Figure 4**). No copies of these resource consents were provided with the evidence. However, copies of RC10/70A-H, RC160055, and RC02146 were provided by Buller District Council and discussed below.

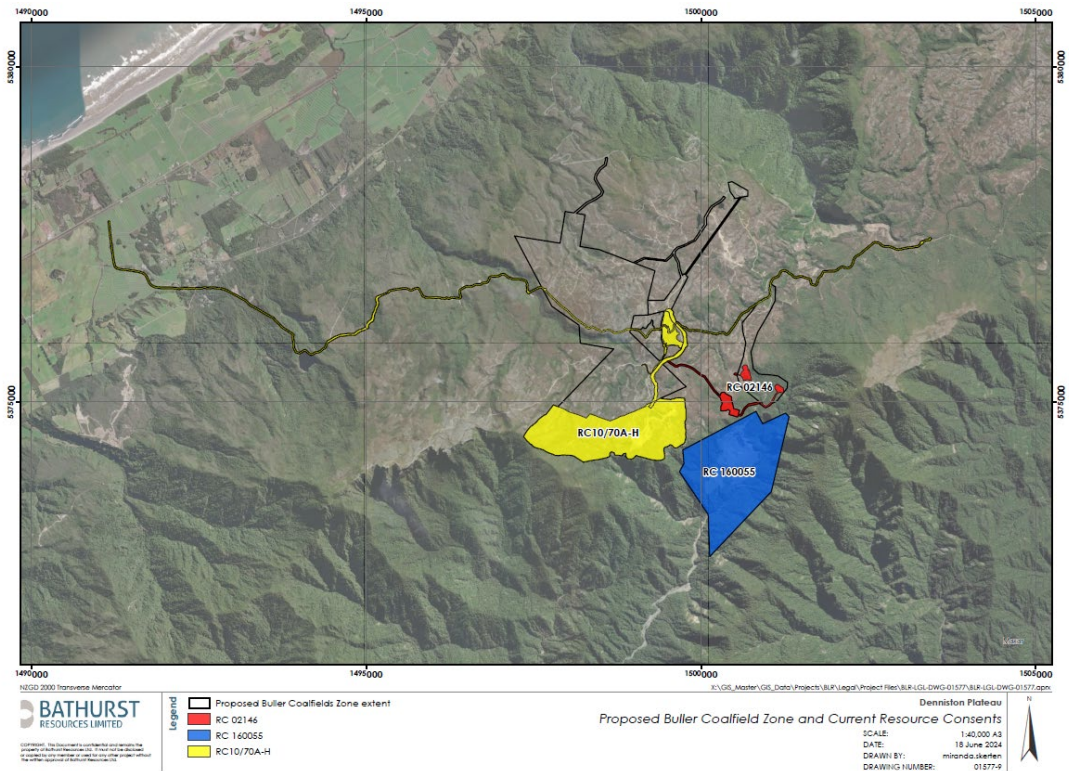


Figure 4: Extracted Evidence from Bathurst Resources Limited and BT Mining Limited - Memorandum of Council.

- Annexure D of the memorandum provides a map showing the Coal Mining License (CML) and Auxiliary Coal Mining Licenses (ACML) at Denniston Plateau (**Figure 5**). These are identified as CML37161 and ACML's 37161-01 to 37161-04. Copies of these CML and ACML documents were provided with the evidence and discussed below.

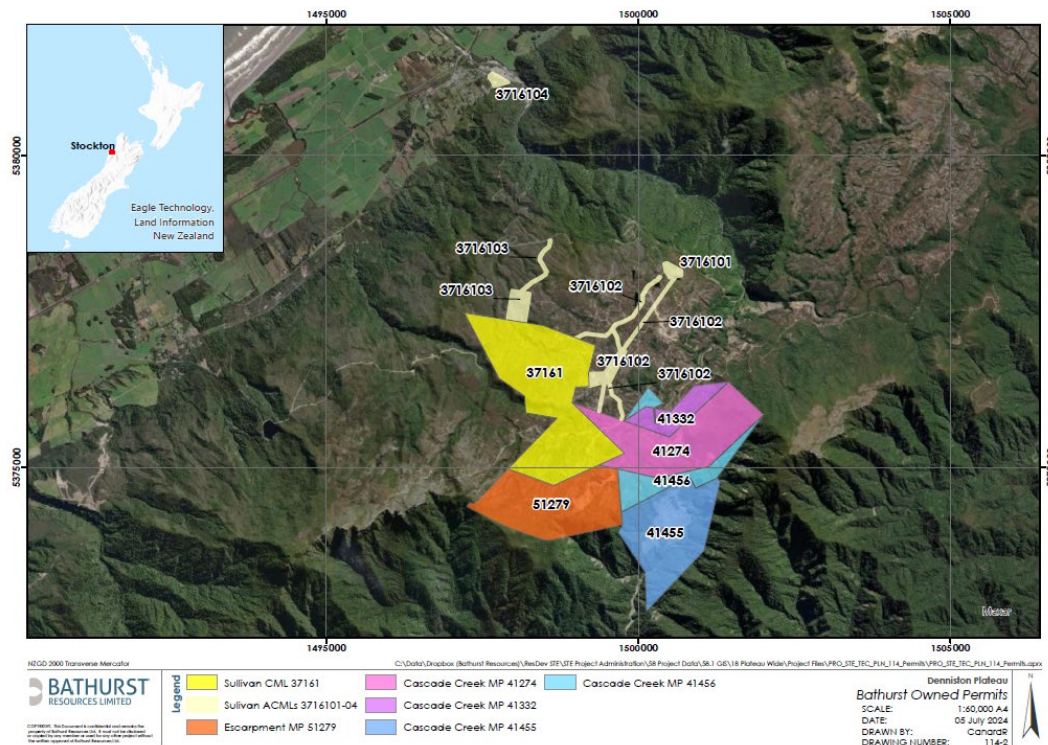


Figure 5: Extracted Evidence from Bathurst Resources Limited and BT Mining Limited - Memorandum of Council.

In conjunction with the evidence of Bathurst Resources Limited and BT Mining Limited, as discussed above, a copy of the following was provided:

3.2.1 CML 37161

This document grants the licensee exclusive rights for coal mining purposes in relation to the 318.2070ha of land listed as all that area of land over Section 13 Block VI Kawatiri Survey District, State Coal Mines Purposes Land situated in Bloc X Kawatiri Survey District, Crown Land subject to Part IV Coal Mines Act 1979 and Crown Land both situated in Blocks VI and X Kawatiri Survey District, Nelson Land District, Buller District. A map outlining the boundary of these legal descriptions was provided with the CML document (**Appendix 2**). The document provides that the CML 37161 commenced on 01 April 1987 and has a term of 40 years. See **Figure 6** below for an approximation of the subject site (outlined in light blue) in relation to the notified BCZ at Denniston Plateau.

3.2.2 ACML 37161-01

This document grants the licensee exclusive rights for coal mining purposes in relation to the 4.55597ha of land listed as all that area of land being Sections 41, 47, 51 and Crown Land Block VI Kawatiri Survey District, Buller District, Nelson Land District. A map outlining the boundary of these legal descriptions was provided with the ACML document (**Appendix 3**). The document provides that ACML 37161-01 commenced on 01 April 1987 and has a term of 40 years. See **Figure 6** below for an approximation of the subject site (outlined in light green) in relation to the notified BCZ at Denniston Plateau.

3.2.3 ACML 37161-02

This document grants the licensee exclusive rights for coal mining purposes in relation to the 24.08ha of land listed as all that area of land being Part Sections 5, 9, 13, Crown Land and Legal Road Block VI Kawatiri Survey District, Buller District, Nelson Land District. A map outlining the boundary of these legal descriptions was provided with the ACML document (**Appendix 4**). The document provides that the ACML 37161-02 commenced on 01 April 1987 and has a term of 40 years. See **Figure 6** below for an approximation of the subject site (outlined in dark green) in relation to the notified BCZ at Denniston Plateau.

3.2.4 ACML 37161-03

This document grants the licensee exclusive rights for coal mining purposes in relation to the 18.59ha of land listed as all that area of land being Part Section 44 and Crown Land situation in Block VI Kawatiri Survey District, Buller District, Nelson Land District. A map outlining the boundary of these legal descriptions was provided with the ACML document (**Appendix 5**). The document provides that the ACML 37161-03 commenced on 01 April 1987 and has a term of 40 years. See **Figure 6** below for an approximation of the subject site (outlined in pink) in relation to the notified BCZ at Denniston Plateau.

3.2.5 ACML 37161-04

This document grants the licensee exclusive rights for coal mining purposes in relation to the 3.622ha of land listed as all that area of land being freehold land being Part Section 13 and Part Section 13 (DP2135) Block II Kawatiri Survey District; Crown Land being Section 86 Village of Waimangaroa situated in Block II Kawatiri Survey District; Railway Land being Part Section 97 Block II Kawatiri Survey District and Legal Road situated in Block II Kawatiri Survey District, Buller District, Nelson Land District. A map outlining the boundary of these legal descriptions was provided with the ACML document (**Appendix 6**). The document provides that the ACML 37161-04 commenced on 01 April 1987 and has a term of 40 years. See **Figure 6** below for an approximation of the subject site (outlined in light purple) in relation to the notified BCZ at Denniston Plateau.

3.3 Campbell Robertson and Christina Sheard

Evidence was received from Campbell Robertson and Christina Sheard regarding the BCZ at Denniston Plateau. This evidence cites the following authorisation mechanisms that can confirm a lawfully established activity in the notified BCZ at Denniston Plateau:

- CML 37161;
- ACML 37161-01, 37161-02, 37161-03 and 37161-04;
- Land Use Consents for: Cascade mine and infrastructure; Sullivan Road seal extension and water slurry pipeline and Escarpment Mine; and
- Regional Consents: 38 consents covering the Denison Plateau.

Copies of these authorisations were not provided along with the evidence. However, a number of Resource Consents have been received from both the Buller District Council and the West Coast Regional Council and are discussed below and the CML and ACML documents were provided in evidence as discussed above.

4.0 Assessment of Information Provided by Council

Information has been provided by Buller District Council and the West Coast Regional Council. The following resource consents were identified as relative to the notified BCZ at Denniston Plateau (**Figure 1** above).

4.1 Buller District Council

4.1.1 RC02/146a – Coalbrookdale Mine

This s127 variation amended the conditions of RC02/146 in relation to coal stockpiling at Coalbrookdale and these amendments were approved on 15 February 2013. The site area is described as Mineral Permits (**MP**) 41274, MP 41456 and MP 41332. A search on the New Zealand Petroleum and Minerals (**NZPM**) GIS database for Mineral Permits shows that MP 41274 is currently active as a mining permit with an expiry of 29 May 2035, while MP 41456 and MP 41332 expired on 14 May 2017 and 14 May 2015 respectively, and have extensions pending¹. The approved plan supplied with the s127 variation included a site plan of the Coalbrookdale Coal Load-Out facility (**Appendix 7**). Additional information was provided by Buller District Council which included the relevant plans for RC02/146 which mapped surface infrastructure within MP 41274 and MP 41-456 (**Appendix 8**). See **Figure 6** below for an approximation of the subject site (outlined in purple) in relation to the notified BCZ at Denniston Plateau based on the information available.

4.1.2 RC100070 - Escarpment Mine

The Environment Court approved the operation of an opencast coal mine at the southern end of the Denniston Plateau (Escarpment Mine) on 24 October 2014. This Environment Court decision grants approval for the collection of decisions cited as **RC10/70A-H** outlining a range of approved activities:

- **RC10/70A:** to undertake mining and associated activities relating to the Escarpment Mine Project at Denniston Plateau for a term of 12 years.
- **RC10/70B:** to construct, operate and maintain a 5km pipeline and associated tracking from an intake on the Waimangaroa River to the Coal Processing Plant for a term of 12 years.
- **RC10/70C:** to construct, operate and maintain a Coal Processing Plant and associated activities at Denniston Plateau for a term of 12 years.
- **RC10/70D:** to widen and maintain the existing Whareatea Road and to construct and maintain mine haul roads for a term of 12 years.
- **RC10/70E:** to construct, operate and maintain an 11km coal transport pipeline and associated access tracking from the Coal Processing Plant down to the Coal Handling Facility at Fairdown for a term of 12 years.

¹ Information sourced from New Zealand Petroleum and Minerals – Mineral Permit Webmaps which provides online maps using real-time data to show all current minerals permits and applications in New Zealand. Updated through their permit register system and GIS database. Last updated: 3 April 2024.

- **RC10/70F:** to construct, operate and maintain a Coal Handling Facility at Fairdown which includes a de-watering and water treatment plant, coal stockpiling and rail loadout facility for a term of 12 years.
- **RC10/70G:** to construct, operate and maintain an electrical substation and overhead powerlines with associated access for an unlimited term.
- **RC10/70H:** to use and store hazardous substances during mining, the construction and operation of the Coal Processing Plant, the Fairdown Coal Handling Facility and within the Electrical Substation for a term of 12 years.

It is noted that this Environment Court decision also included West Coast Regional Council Consent RC10193 (discussed below). Unfortunately, most of the maps provided as appendices 1 - 7 of the Court Decision are very hard to read because of their quality, particularly appendix 2 which maps the Escarpment Mine Site (**Appendix 9**).

However, a copy of a variation to conditions decision dated 07 August 2015, **RC100070d**, included a map titled “Whareatea River Discharge, Monitoring and Compliance Locations” (**Appendix 10**). This map identifies a red outlined area as the “Escarpment Mine Resource Consent boundary”. See **Figure 6** below for an approximation of the subject site (outlined in blue) in relation to the notified BCZ at Denniston Plateau.

4.1.3 RC160055 – Cascade Mine

This resource consent grants the right to undertake opencast coal mining, quarrying and processing of granite and associated activities within the existing Cascade Mine footprint of 44 hectares which is within MP 41455. The approved plans provided with the decision include an aerial site plan which details the mining permit boundary and the Cascade Access Arrangement Boundary (**Appendix 11**). This resource consent commenced on 30 June 2017. Condition 38 dictates the term to be consistent with MP 41 455 (or any granted replacement permit) and shall expire on the date the mining permit expires or is surrendered. A search on the NZPM GIS database for Mineral Permits shows that MP 41455 is still active as a mining permit with an expiry of 14 May 2027. See **Figure 6** below for an approximation of the subject site (outlined in yellow) in relation to the notified BCZ at Denniston Plateau.

4.2 West Coast Regional Council

4.2.1 RC02239 – Coalbrookdale Mine

This resource consent grants four Land Use Consents, three Water Permits and six Discharge Permits in order to develop two opencast and two underground coal mines at Upper Cascade Creek within MP 41274, MP 41456 and MP 41332. This resource consent is for the same site as RC02/146 (discussed above). This resource consent commenced on 23 December 2004 and has a term of 20 years. See **Figure 6** below for an approximation of the subject site (outlined in purple) based on the maps provided with RC02/146 (**Appendix 8**) in relation to the notified BCZ at Denniston Plateau.

4.2.2 RC10193 - Escarpment Mine

This resource consent grants six Land Use Consents, two Water Permits and eight Discharge Permits to enable mining at Escarpment Mine on the Denniston Plateau. This resource consent commenced on 24 October 2013 with the activities having a range of consented durations including 12 years, 35

years or unlimited. This resource consent was a part of the Environment Court decision along with RC100070 (discussed above). As such, this resource consent is subject to the same conditions and it references the same maps. As such, it is considered that the consented area under RC10193 would be the same as that of RC100070 which, based on the assessment of RC100070d above, is outlined in blue in **Figure 6** below.

4.2.3 RC-2017-0051 - Cascade Mine

This resource consent grants one Land Use Consent, one Water Permit and two Discharge Permits associated with the operation of the Cascade Mine site within MP 41455. Condition 5 states that the consent holder can only carry out earthworks associated with mining activities within the area outlined in red on the attached aerial titled “Annexure 1 – RC-2017-0051” (**Appendix 12**). This depicted subject site on the aerial is the same as the consented area under RC160055 (discussed above) and is outlined in yellow in **Figure 6** below. This resource consent commenced on 20 March 2018 and has a duration of 10 years or upon the expiry or surrender of MP 41455. A search on the NZPM GIS database for Mineral Permits shows that MP 41455 is currently active as a mining permit with an expiry of 14 May 2027.

4.2.4 RC-2016-0109

This resource consent grants three Land Use Consents, three Water Permits and two Discharge Permits associated with alluvial gold mining at Waimangaroa River and within MP 53398. Condition 6 states that the consent holder can only carry out earthworks and riverbed disturbance associated with mining activities inside the area outlined in red and shaded yellow on the attached aerial photograph titled “RC-2016-0109 Gold Mining Activities, Waimangaroa”, and outlined in black and hatched in orange on the attached aerial photograph titled “RC-2016-0109-V1 Gold Mining Activities, Waimangaroa” (**Appendix 13**). This resource consent commenced on 14 November 2017 and has a duration of 10 years or upon the expiry or surrender of MP 53398. A search on the NZPM GIS database for Mineral Permits shows that MP 53398 is currently active as a mining permit with an expiry of 03 October 2031. See **Figure 6** below for an approximation of the subject site (outlined in orange) in relation to the notified BCZ at Denniston Plateau.

4.3 Schedule 9 of the proposed Te Tai o Poutini Plan

It is noted that Schedule 9 of the proposed Te Tai o Poutini Plan, which identified lawfully established mineral extraction and processing areas by listing the authorisation mechanism that permitted the activity, identified the following authorisation mechanisms in relation to the notified BCZ at Denniston Plateau:

- **RC02146:** Provided by Buller District Council and discussed above.
- **RC160055:** Provided by Buller District Council and discussed above.
- **RC10/70A-H:** Provided by Buller District Council and discussed above.
- **CML 37161 and ACML’s 37161-01, 37161-02., 37161-03 and 37161-04:** Provided in Evidence by Bathurst Resources Limited and BT Mining Limited and discussed above.

4.4 Summary

Based on an assessment of the available information, the resource consents, CML and ACML available confirm that a majority of the notified BCZ at Denniston Plateau has authorisation to operate a mining activity (**Figure 6** below). A full copy of the map depicting the sites with authorisation to operate a mining activity in relation to BCZ at Denniston Plateau is provided at **Appendix 14**.



Figure 6: Map of Authorised Mining Activities in relation to BCZ at Denniston Plateau. Full map at Appendix 14.

5.0 Recommendation

The additional information provided by the Resource Consents, CML and ACML listed above identify areas within and adjacent to the notified BCZ at Denniston Plateau that have authorisation to operate a mining activity.

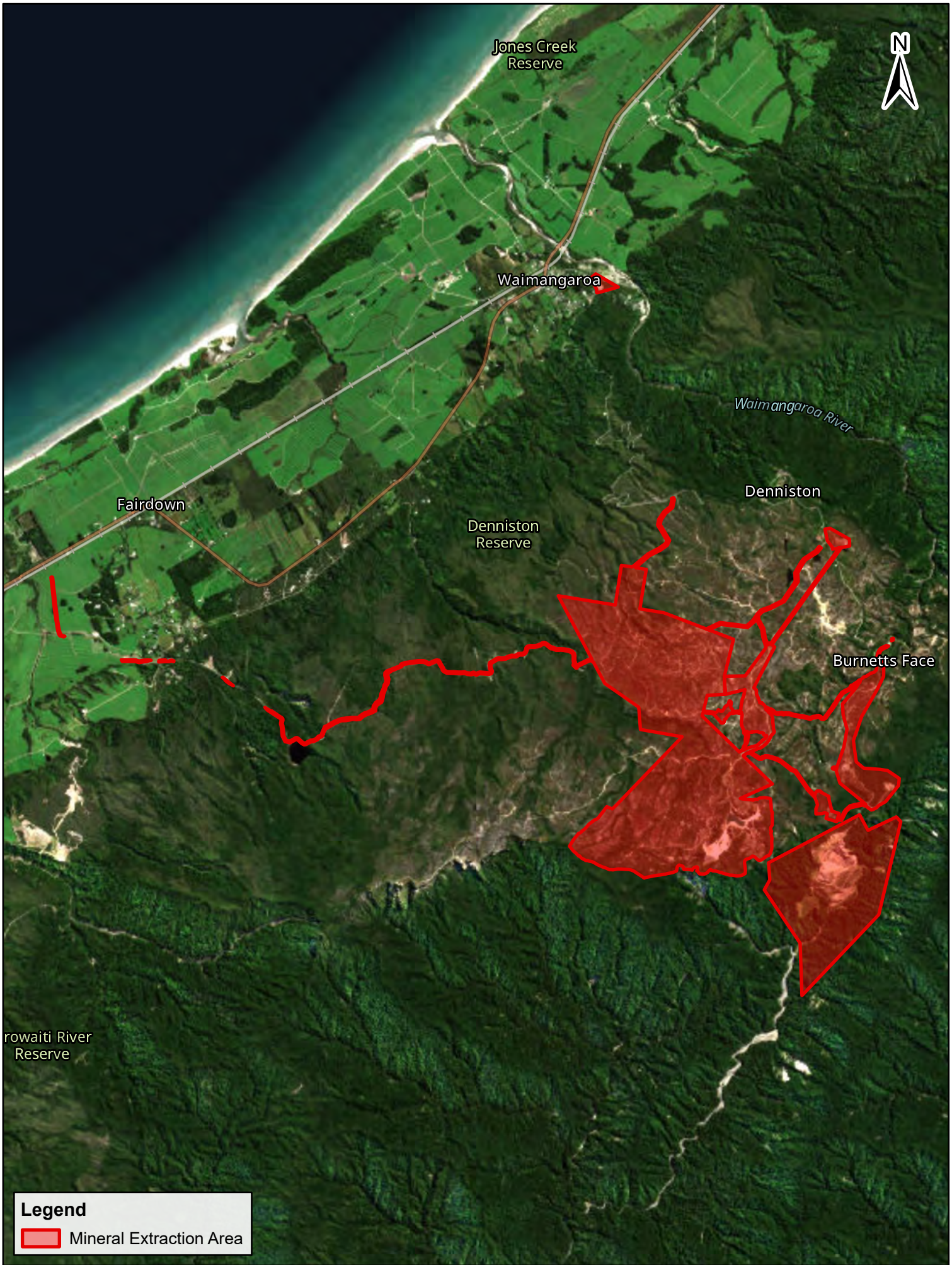
It is recommended that the notified BCZ at Denniston Plateau is **amended**, as outlined in **Figure 6** above and in **Appendix 15**, to only include the areas subject to the existing resource consents, CML and ACML provided and discussed above.

Appendix 1

Notified BCZ Area



Urban & Environmental



Legend

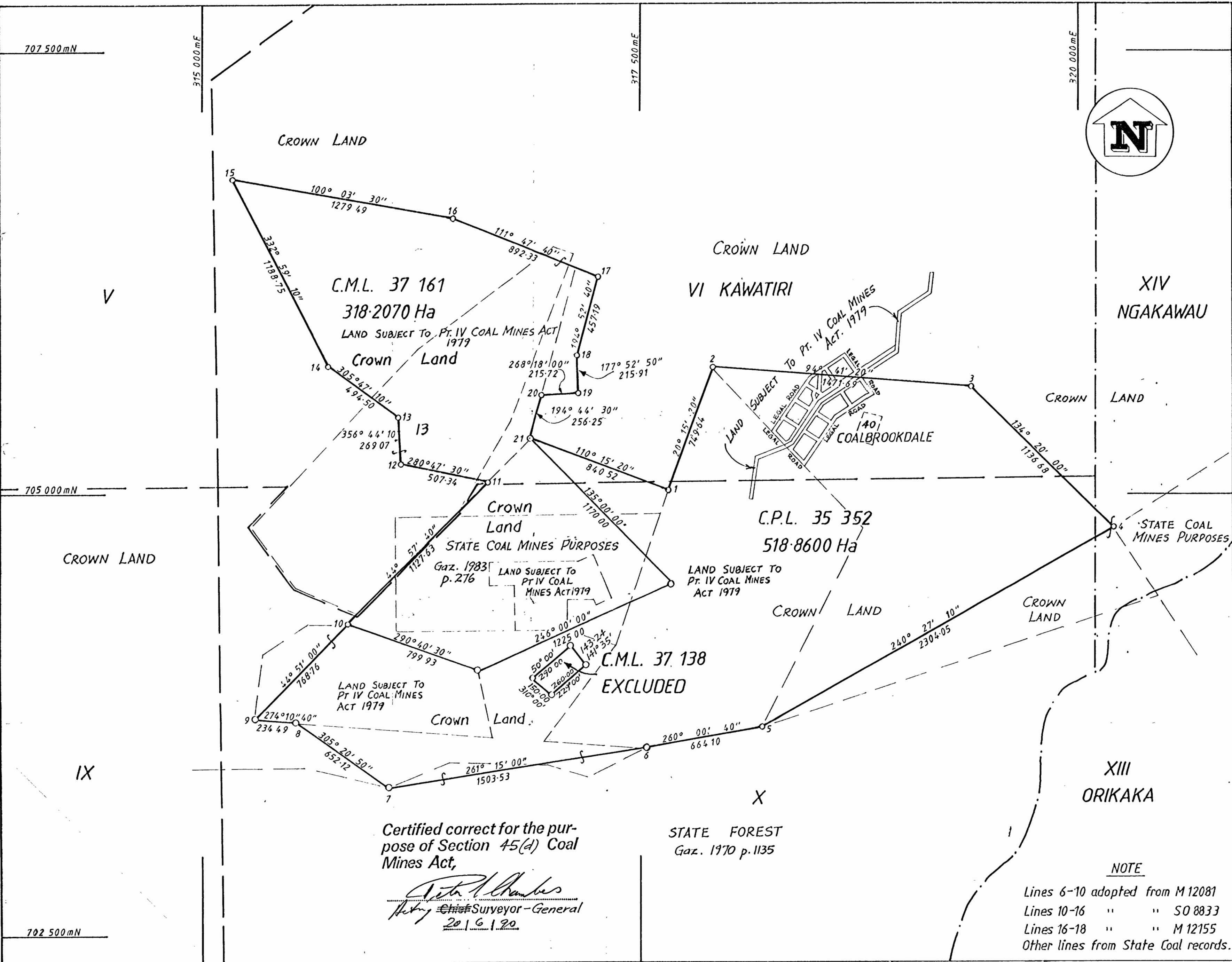
Mineral Extraction Area

Appendix 2

CML37161 Map



Urban & Environmental



Approvals.

GEODETIC DATUM 1949
ORIGIN: BULLER INITIAL
700 000 m NORTH
300 000 m EAST

POINT No	METRES NORTH	METRES EAST
1	705 020.61	317 655.55
2	705 723.90	317 915.09
3	705 603.59	319 381.86
4	704 809.24	320 194.91
5	703 673.02	318 190.50
6	703 557.82	317 536.46
7	703 329.10	316 050.42
8	703 706.37	315 518.51
9	703 723.45	315 284.65
10	704 268.47	315 826.82
11	705 066.37	316 623.63
12	705 161.37	316 125.27
13	705 430.00	316 109.95
14	705 719.16	315 708.80
15	706 778.22	315 168.86
16	706 554.76	316 428.69
17	706 223.45	317 257.24
18	705 781.59	317 139.86
19	705 565.83	317 147.84
20	705 559.43	316 932.22
21	705 311.61	316 867.01

Total Area **837 0670 Ha**

Comprised in

I, _____ of _____ registered surveyor and holder of an annual practising certificate (or who may act as a registered surveyor pursuant to the proviso to section 33 (2) of the Surveyors Act 1966) hereby certify that this plan has been made from surveys executed by me or under my directions, and that both plan and survey are correct and have been made in accordance with the Survey Regulations 1972.

Dated at _____ of _____ 19 _____ this day
 Signature _____

Field Book p. _____ Traverse Book p. _____

Reference Plans _____

Examined _____ Correct _____

Approved as to Survey

 Chief Surveyor

Deposited this _____ day of _____ 19 _____

 District Land Registrar

File 37 161 & 35 352.
 Received - _____
 Instructions - _____

Certified correct for the purpose of Section 45(d) Coal Mines Act,

 Surveyor-General
 20 1 6 1 90

STATE FOREST
 Gaz. 1970 p. 1135

NOTE
 Lines 6-10 adopted from M12081
 Lines 10-16 " " SO 8833
 Lines 16-18 " " M12155
 Other lines from State Coal records.

LAND DISTRICT **NELSON**
 VI & X KAWATIRI
 SURVEY BLK. & DIST. XIV NGAKAWAU
 NZMS 261 SHEET No. K29-10,000/8-2; L29-25,000/1-1
 L29-2,000/01-08 and 01-09

COAL CORPORATION OF NEW ZEALAND LIMITED
 COAL MINING LICENCE 37 161 ~~and~~
~~COAL PROSPECTING LICENCE 35 352~~

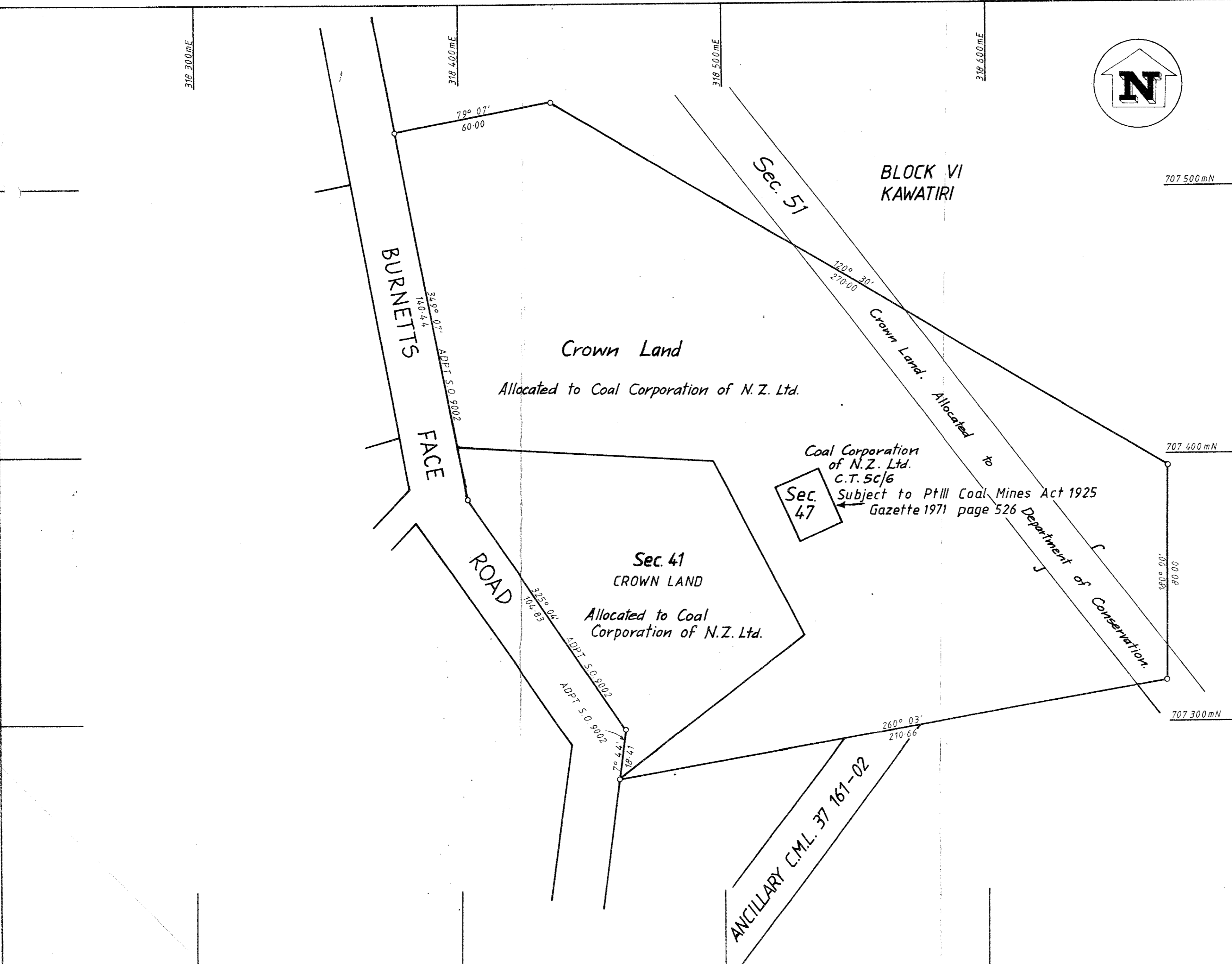
LOCAL AUTHORITY **BULLER COUNTY**
 PREPARED BY **COALCORP OF N.Z. LTD**
 Scale 1:15000 Date **JUNE 1990**

Appendix 3

ACML37161-01 Map



Urban & Environmental



Approvals:

Total Area **45597 Ha**

Comprised in

I, _____ of _____ registered surveyor and holder of an annual practising certificate for who may act as a registered surveyor pursuant to the proviso to section 33 (2) of the Surveyors Act 1966) hereby certify that this plan has been made from surveys executed by me or under my directions, and that both plan and survey are correct and have been made in accordance with the Survey Regulations 1972.

Dated at _____ this day of _____ 19____ Signature _____

Field Book _____ p. Traverse Book _____ p.
Reference Plans **S.O.s 9002, 9712, 10981**

Examined _____ Correct

Approved as to Survey

Chief Surveyor

Deposited this _____ day of _____ 19____

District Land Registrar

File **37 161-01**
Received _____
Instructions _____

LAND DISTRICT **NELSON**
SURVEY BLK. & DIST. **VI KAWATIRI**
NZMS **261** SHEET NO. **L29-2000/01-07**

COAL CORPORATION OF NEW ZEALAND LIMITED
ANCILLARY COAL MINING LICENCE **37 161-01**

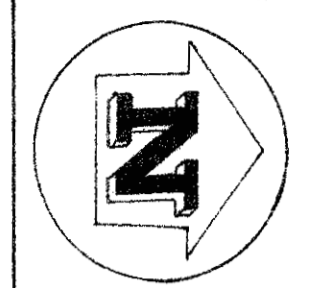
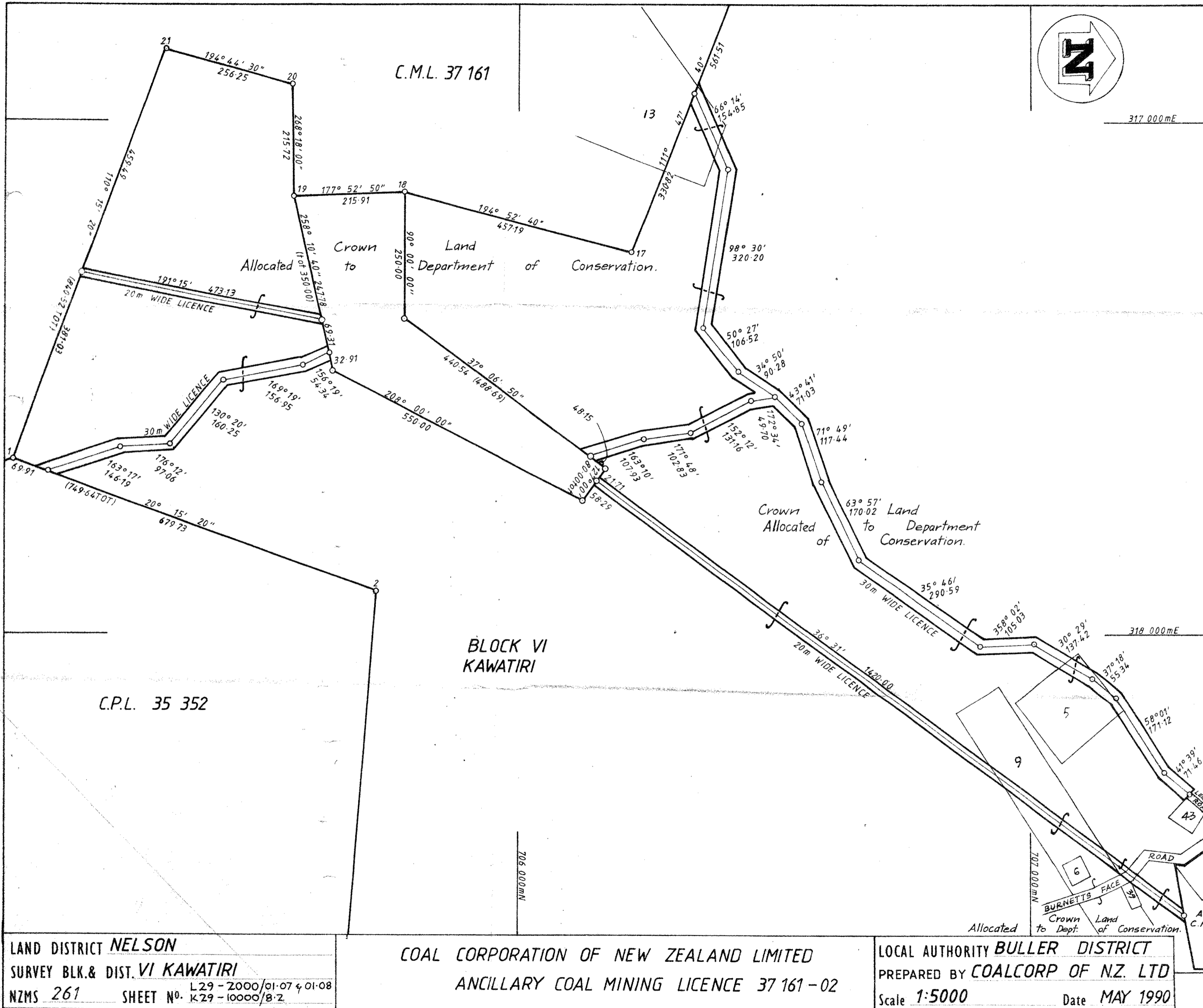
LOCAL AUTHORITY **BULLER DISTRICT**
PREPARED BY **COALCORP OF N.Z. LTD**
Scale **1:1000** Date **MAY 1990**

Appendix 4

ACML37161-02 Map



Urban & Environmental



Approvals.

Total Area 24.0800 ha.
Comprised in

I, _____ of _____
registered surveyor and holder of an annual practising certificate
(or who may act as a registered surveyor pursuant to the
proviso to section 33 (2) of the Surveyors Act 1966) hereby
certify that this plan has been made from surveys executed by
me or under my directions, and that both plan and survey are
correct and have been made in accordance with the Survey
Regulations 1972.
Dated at _____ this _____ day
of _____ 19____ Signature _____

Traverse Book _____
Correct _____
Survey _____
Chief Surveyor _____
day of _____ 19____
District Land Registrar _____

LAND DISTRICT NELSON
SURVEY BLK. & DIST. VI KAWATIRI
NZMS 261 SHEET NO. L29 - 2000/01.07 & 01.08
K.29 - 10000/8.2

COAL CORPORATION OF NEW ZEALAND LIMITED
ANCILLARY COAL MINING LICENCE 37 161-02

LOCAL AUTHORITY BULLER DISTRICT
PREPARED BY COALCORP OF N.Z. LTD
Scale 1:5000 Date MAY 1990

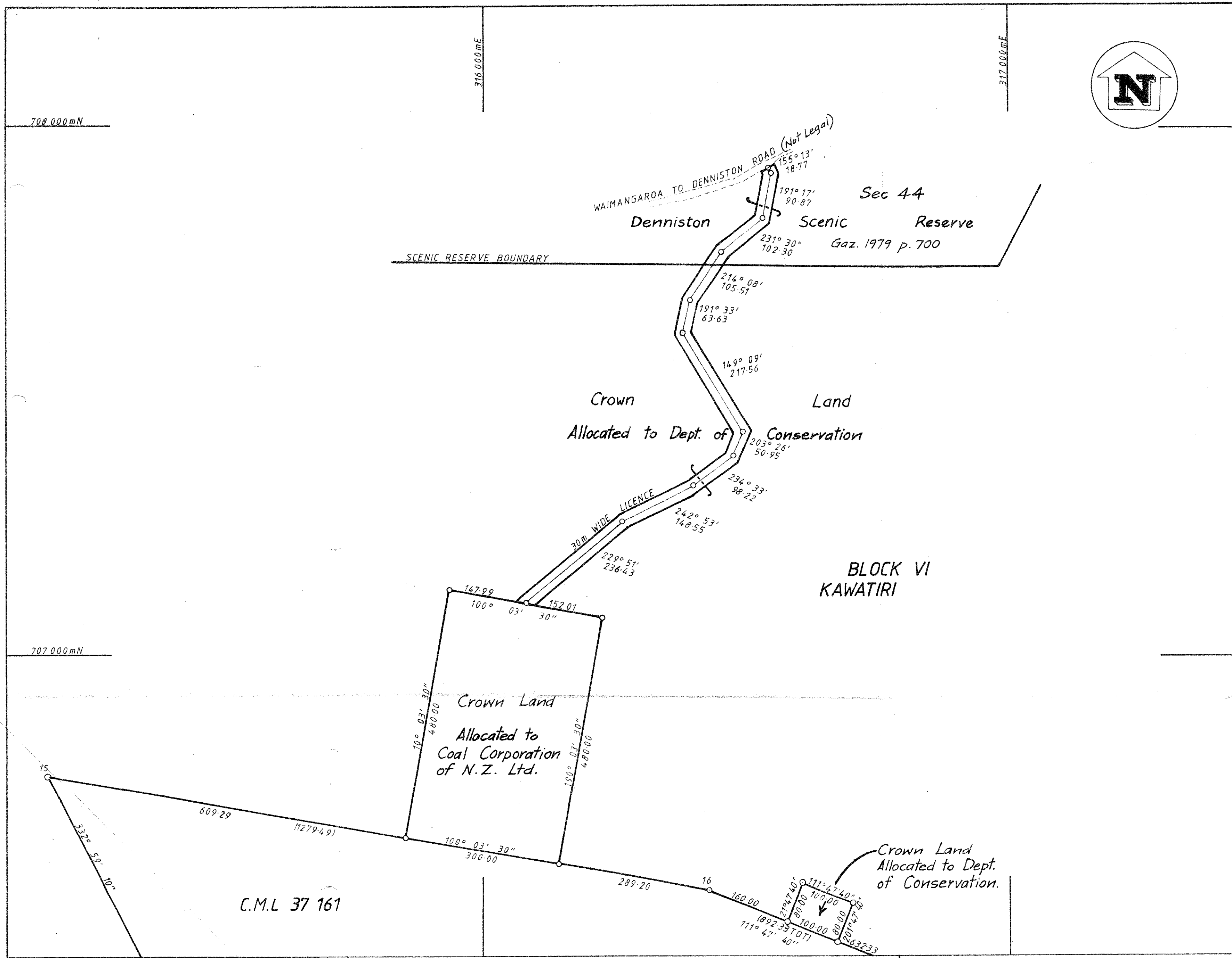
File 37 161-02
Received _____
Instructions _____

Appendix 5

ACML37161-03 Map



Urban & Environmental



Approvals:

Total Area **18.5900 ha.**

Comprised in

I, _____ of _____ registered surveyor and holder of an annual practising certificate (or who may act as a registered surveyor pursuant to the proviso to section 33 (2) of the Surveyors Act 1966) hereby certify that this plan has been made from surveys executed by me or under my directions, and that both plan and survey are correct and have been made in accordance with the Survey Regulations 1972.

Dated at _____ this _____ day of _____ 19____ Signature _____

Field Book _____ p. _____ Traverse Book _____ p. _____

Reference Plans _____

Examined _____ Correct _____

Approved as to Survey _____

Deposited this _____ day of _____ 19____

Chief Surveyor _____ District Land Registrar _____

File **37 161-03**
Received _____
Instructions _____

LAND DISTRICT **NELSON**
SURVEY BLK. & DIST. VI **KAWATIRI**
NZMS 261 SHEET NO. **K 29-10,000/8-2**

COAL CORPORATION OF NEW ZEALAND LIMITED
ANCILLARY COAL MINING LICENCE **37 161-03**

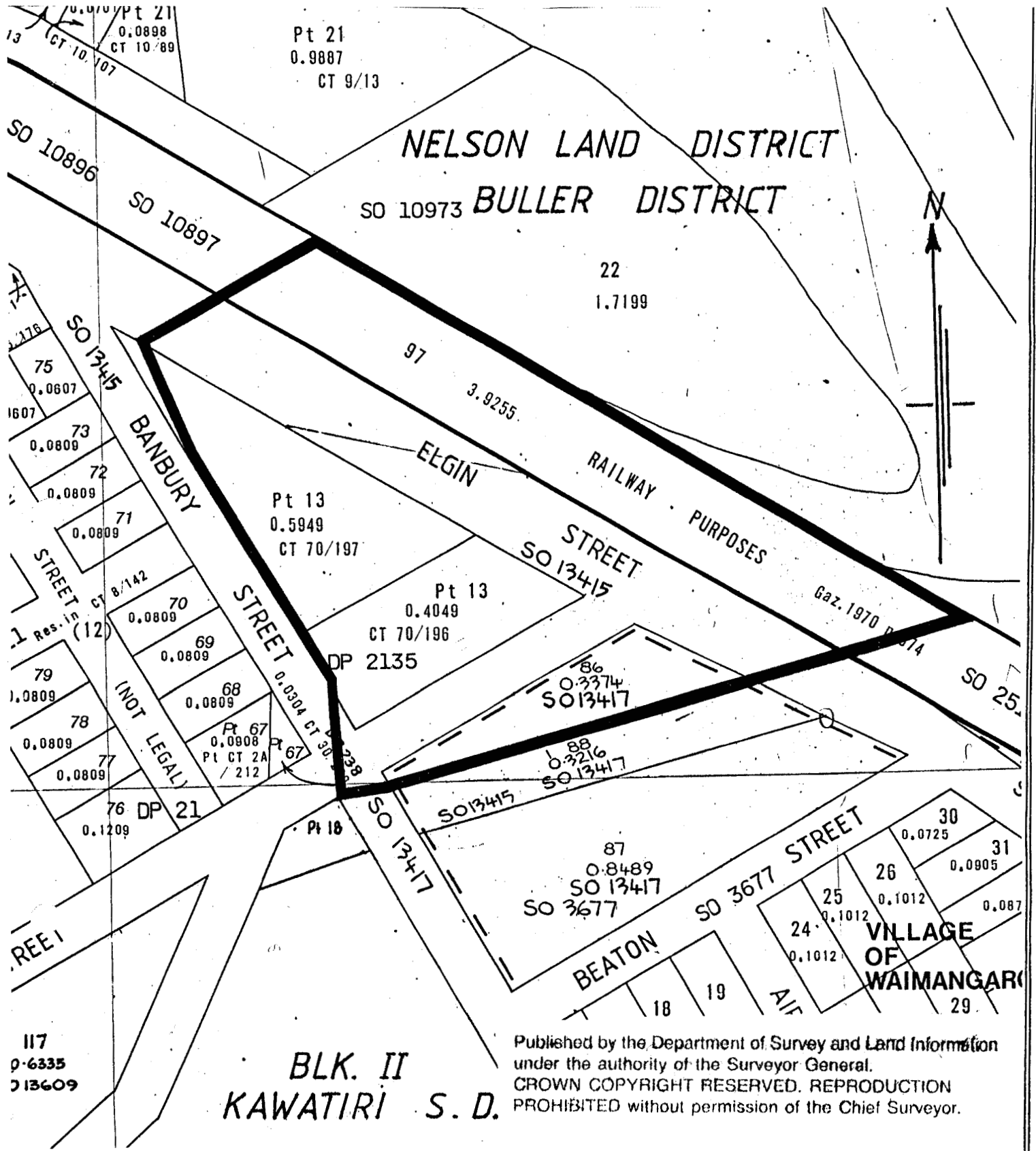
LOCAL AUTHORITY **BULLER DISTRICT**
PREPARED BY **COALCORP OF N.Z. LTD**
Scale **1:5000** Date **MAY 1990**

Appendix 6

ACML37161-04 Map



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**BLK. II
KAWATIRI S. D.**

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COAL CORPORATION OF N.Z.
LIMITED.

ANCILLARY COAL MINING LICENCE 37 161-04

SCALE - 1:2,000

TOTAL AREA - 3.6220 ha.

K29-2,000/38.05

AUGUST 1990

Prepared by D.O.S.L.I. - Nelson.

Appendix 7

RC02/146a Plan



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Figure 7: Proposed Coalbrookdale Coal Load-Out Facility

Appendix 8

RC02/146 Plans



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Location Plan

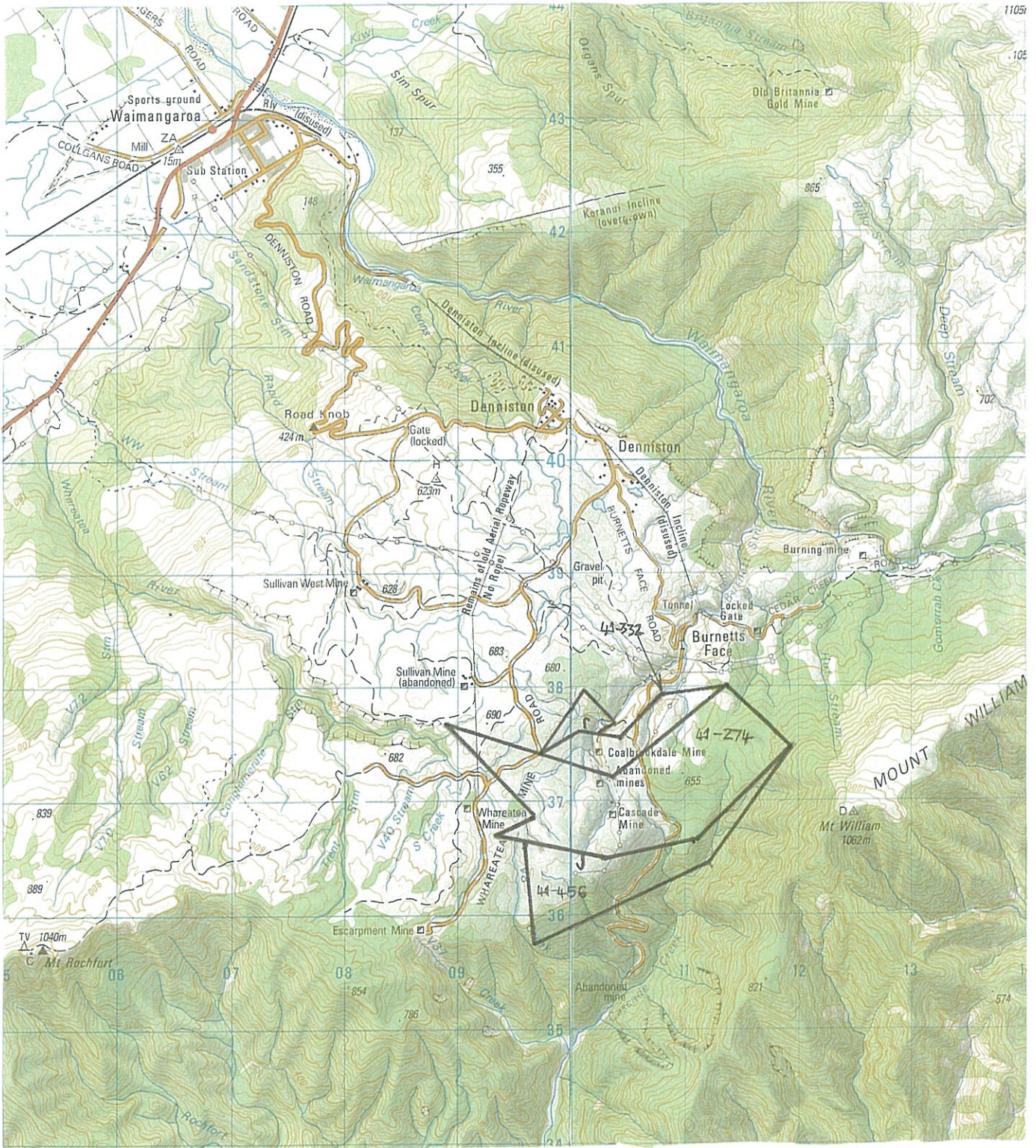
RC020146 relevant Plan

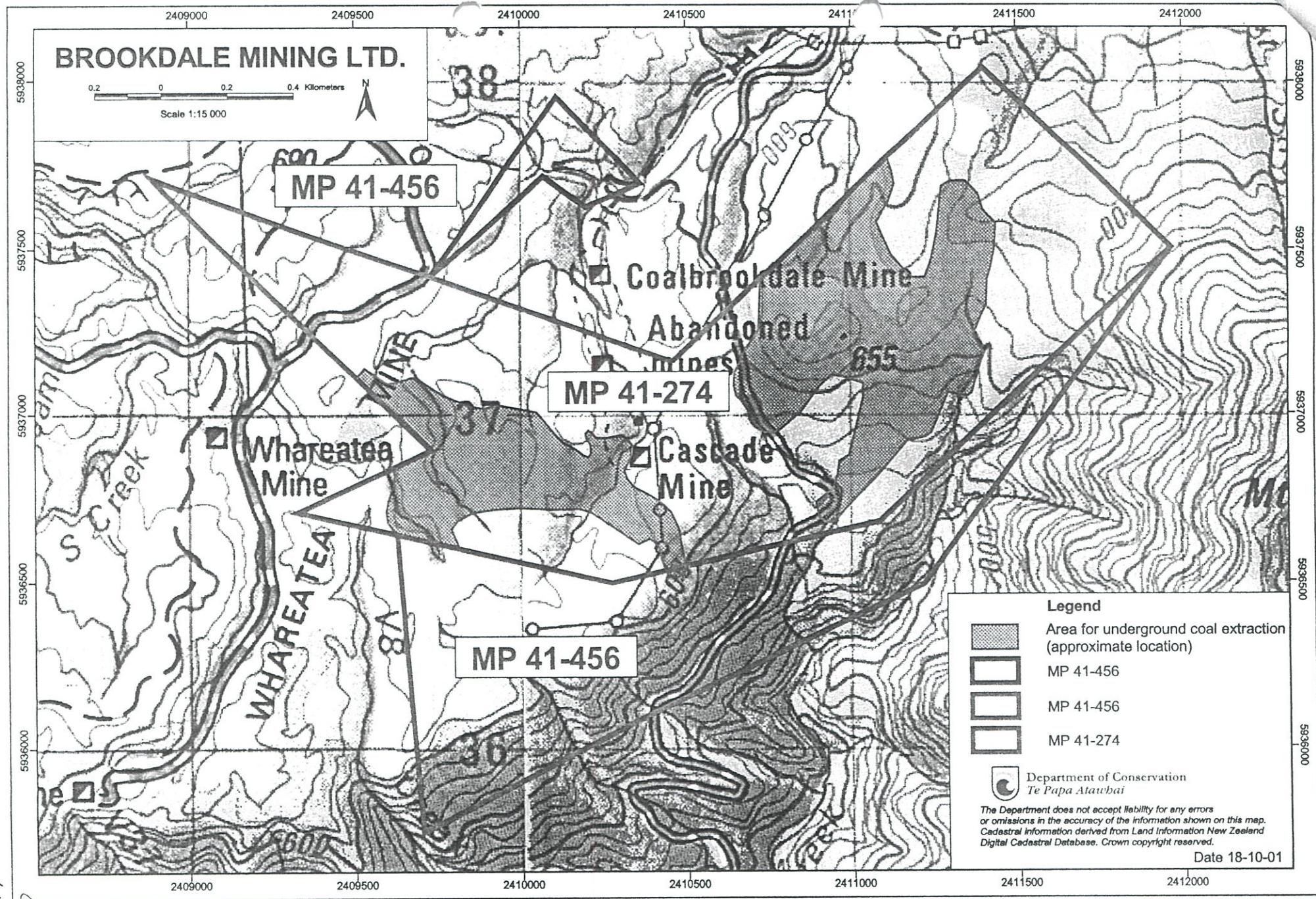
Mining Permits Held By RJ Griffiths

Denniston Plateau & Cascade Creek Area

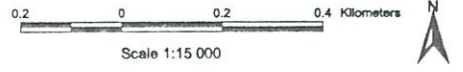
Scale - 1:50,000

Map Ref - NZMS 260 K29 & L29









BROOKDALE MINING LTD.




MP 41-456

MP 41-274

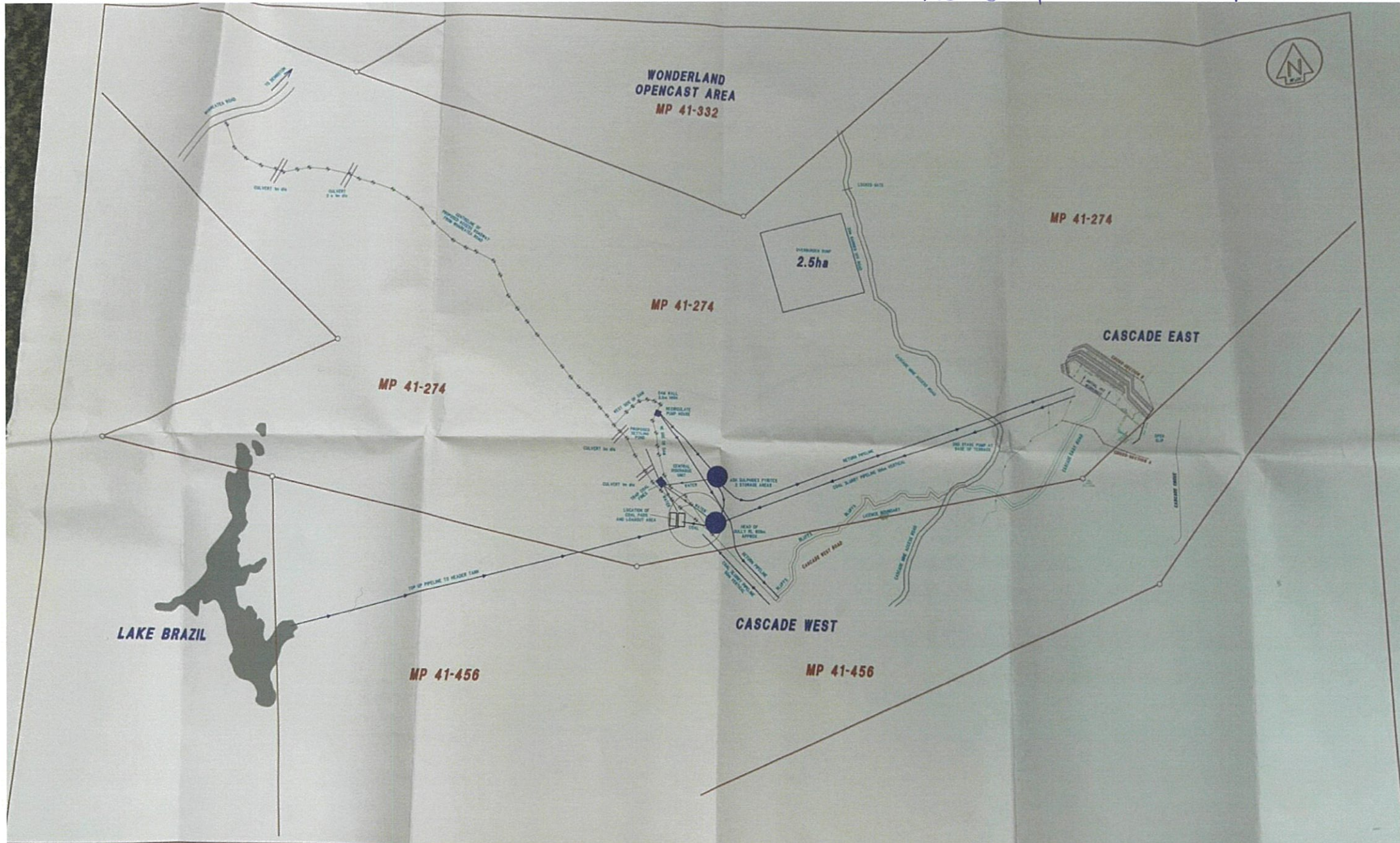
MP 41-456

- Legend**
-  Area for underground coal extraction (approximate location)
 -  MP 41-456
 -  MP 41-456
 -  MP 41-274

 Department of Conservation
Te Papa Atawhai


The Department does not accept liability for any errors or omissions in the accuracy of the information shown on this map. Cadastral information derived from Land Information New Zealand Digital Cadastral Database. Crown copyright reserved.

Date 18-10-01



Prepared for:
R. J. GRIFFITHS

BROOKDALE MINING DEVELOPMENT DENNISTON

 C J COLL Regd Land Surveyor, Resource Management Consultant 19 BROUGHAM STREET PO BOX 204 WESTPORT		SHEET 1
DRAWN WARREN	CHECKED CHRIS	SCALES 1:3000
DATE JUL Y 2002	REF GRIFFITHS NEW PLAN 3	SERIES 1 OF 2

Appendix 9

RC100070 Map



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Escarpment Mine Project

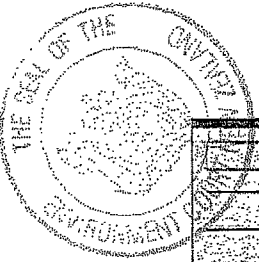
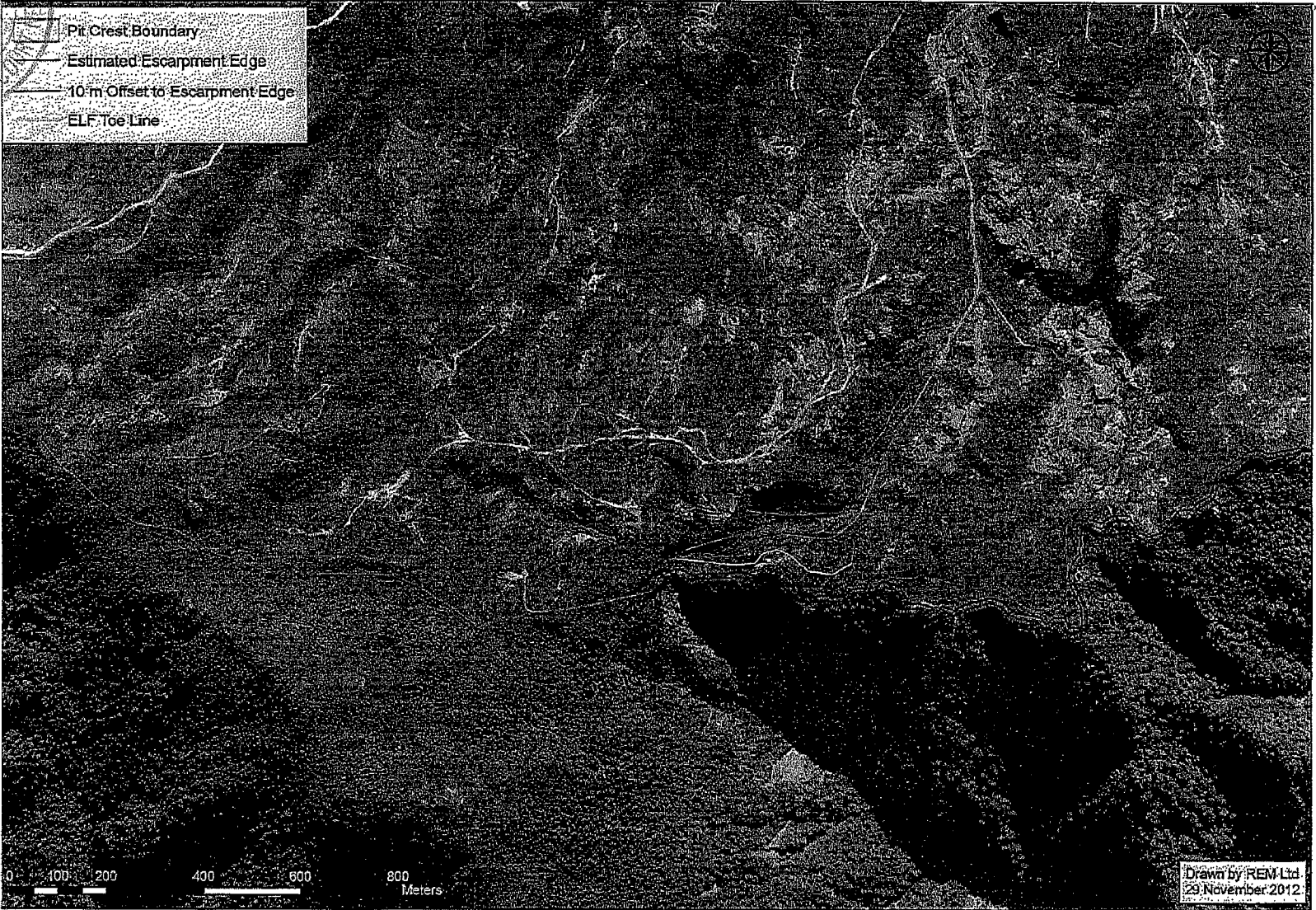
Consent Conditions

APPENDIX 2

Escarpment Mine Site



Escarpment Mine Project
Consent Conditions



175

0 100 200 400 600 800
Meters

Drawn by REM Ltd.
29 November 2012

Appendix 10

RC100070d Map



Urban & Environmental



NIGD 2000 Transverse Mercator

Escarpment Mine



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Legend

Whareatea River Discharge, Monitoring and Compliance Locations

- Escarpment Mine Resource Consent Boundary
- ◆ Compliance Site
- ◆ Discharge Site
- ◆ Discharge and Monitoring Site

Drawn By T Costelloe
 Date 27 July 2015
 Scale 1:20,000
 Drawing Number 51279_054



Appendix 11

RC160055 Map



Urban & Environmental

APPROVED PLAN



NZGD 2000 Transverse Mercator 580 0,200 290 0 0,500 580 Meters 0,700 1,000 File: 02_Cascade_Rehab-2016-17



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- █ Burnett's Face Road (BDC)
- █ Proposed Easement (814m)
- █ Coalbrookdale Bridge
- █ Cascade MP41455
- █ Cascade AA Boundary

Cascade Mine and Associated MPs

Drawn By C Robertson
 Date 23 August 2016
 Scale 1:10 000
 Drawing Number 41455_068



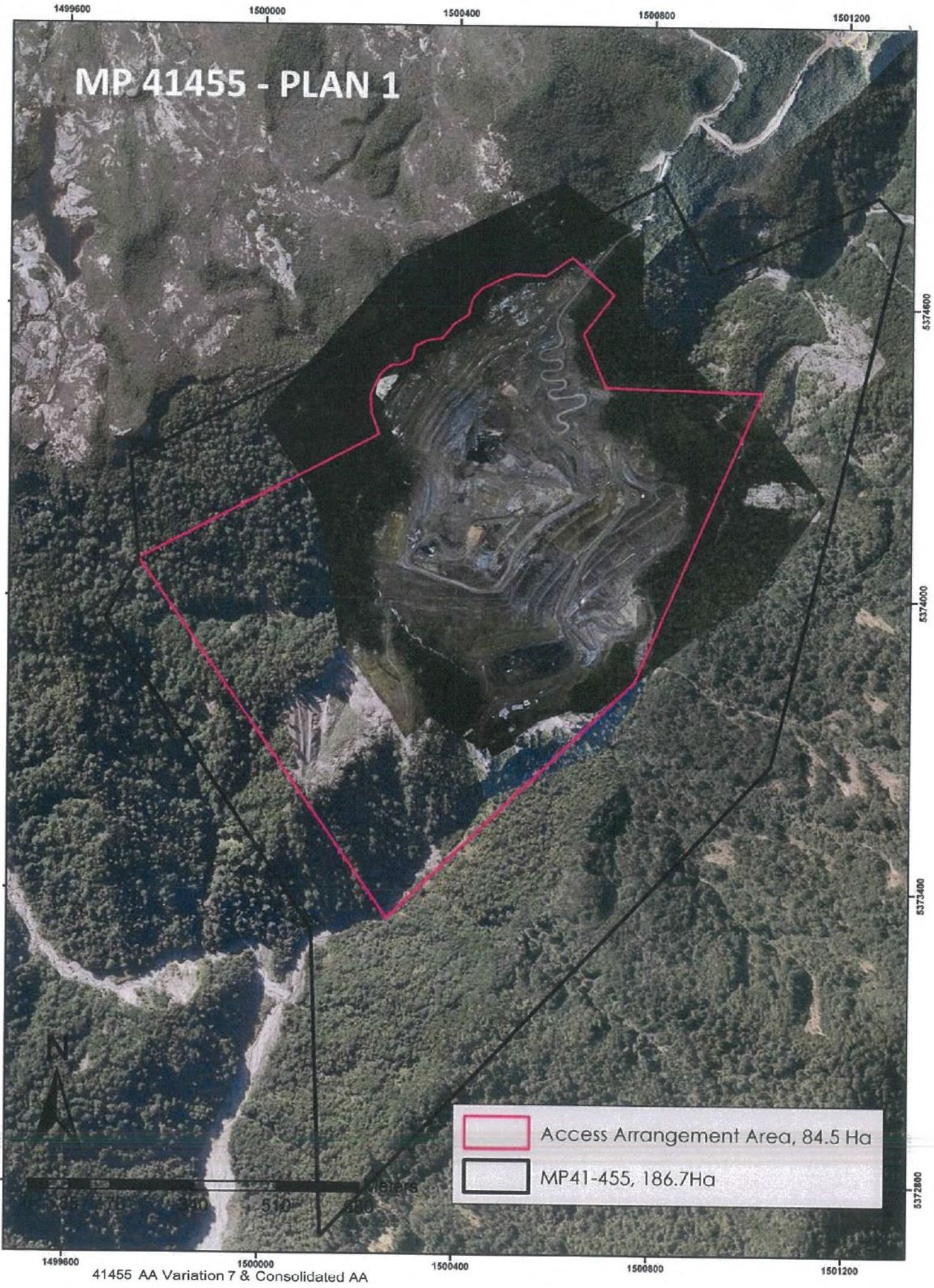
Figure 2: Minerals Permits

Appendix 12

RC-2017-0051 Map



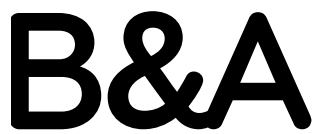
Urban & Environmental



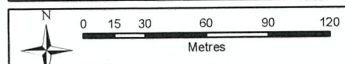
Annexure 1 - RC-2017-0051

Appendix 13

RC-2016-0109 Map



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Date Created: Wednesday, 3 May 2017
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RC-2016-0109-V1 Gold Mining Activities, Waimangaroa

Area to be mined

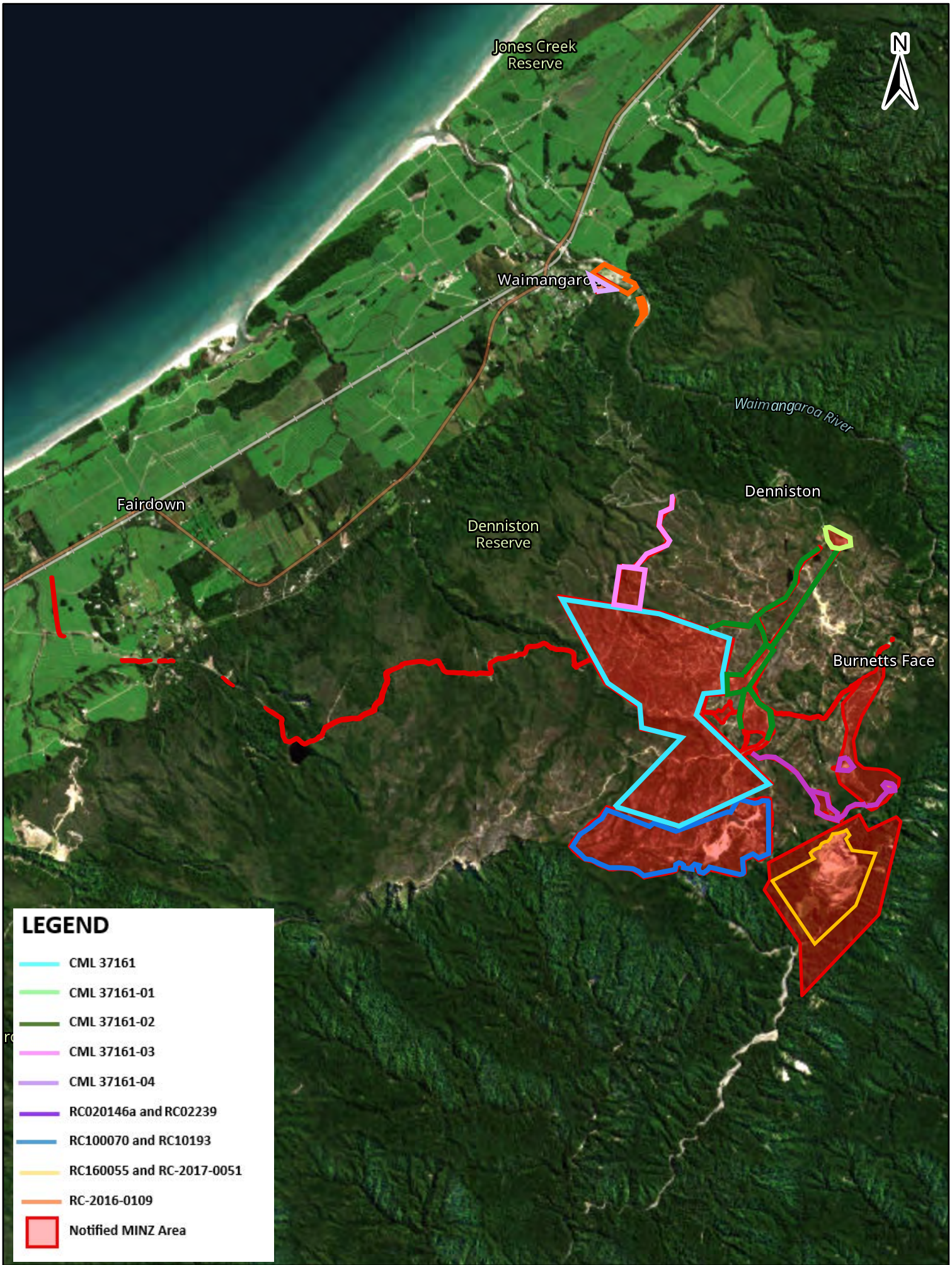


Appendix 14

Map of Authorised Mining Activities in relation to BCZ



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LEGEND

- CML 37161
- CML 37161-01
- CML 37161-02
- CML 37161-03
- CML 37161-04
- RC020146a and RC02239
- RC100070 and RC10193
- RC160055 and RC-2017-0051
- RC-2016-0109
- Notified MINZ Area

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 Property boundaries accuracy: +/-1m in urban areas, +/-30m in rural areas.
 Datum: NZGD 2000
 Coordinate System: NZGD 2000 New Zealand Transverse Mercator
 This map was produced with ArcGIS Pro (Esri).

Mineral Extraction Area
 Denniston Plateau

