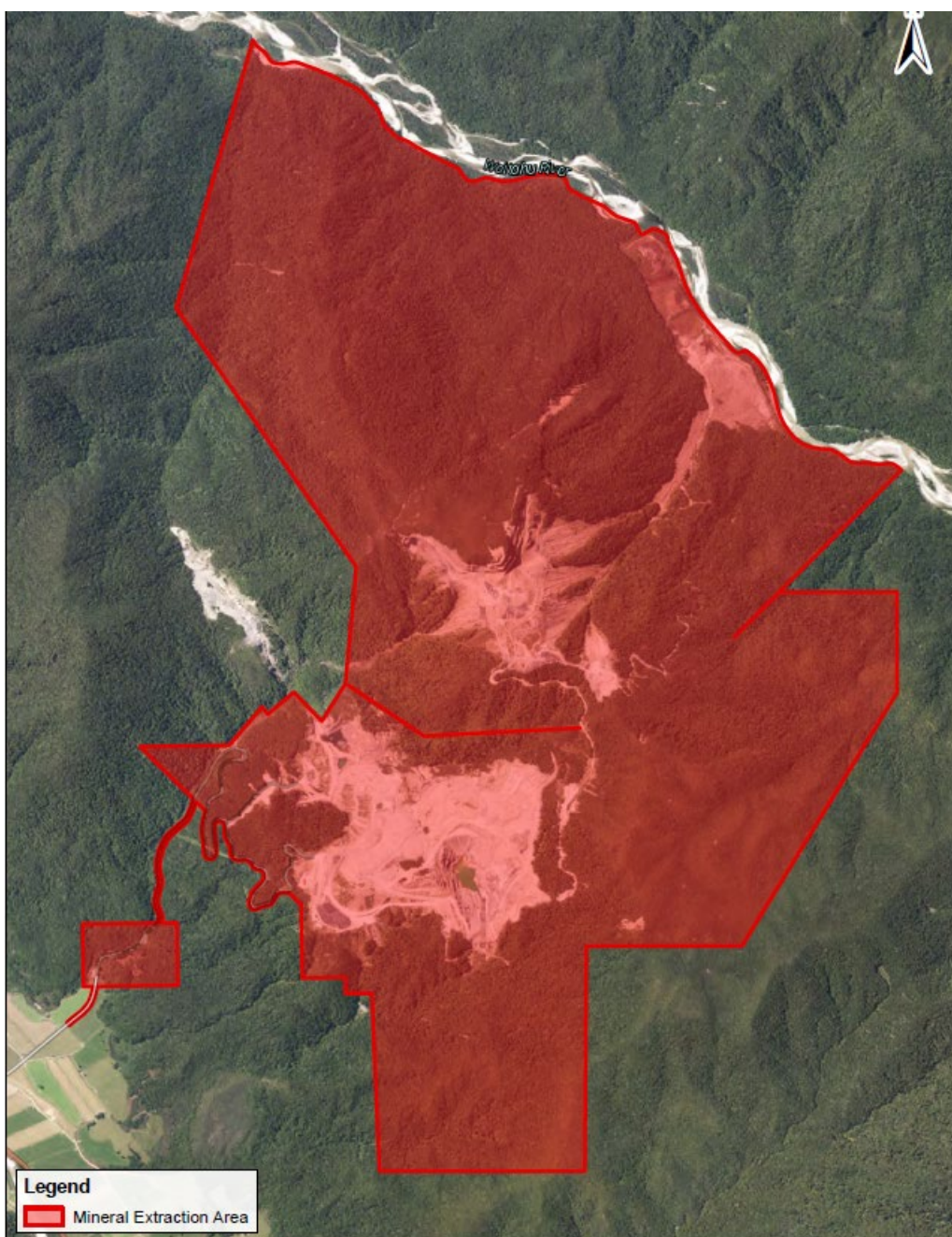


Date: 29 November 2024

Re: Mineral Extraction Zone 13: Echo

## 1.0 Notified MINZ

A map of the notified Mineral Extraction Zone (MINZ) at Echo is included in **Figure 1** below and attached in **Appendix 1**.



**Figure 1: Notified MINZ at Echo.**

## 2.0 Submissions

---

No submissions were received in relation to the notified MINZ at Echo.

## 3.0 Evidence

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No evidence was received in relation to the notified MINZ at Echo.

## 4.0 Assessment of Information Provided by Council

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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 MINZ at Echo (**Figure 1** above).

### 4.1 West Coast Regional Council

---

#### 4.1.1 RC09035

This resource consent grants a Land Use Consent to undertake land disturbance, vegetation removal and earthworks associated with an opencast coal mine on Mineral Permit (MP) 41269 and MP 41685. Condition 1.4 of the resource consent specifies that the consent holder shall carry out earthworks associated with mining activities inside the areas within the red and blue lines and labelled “41269 and 41685” on the attached map titled “Access Arrangement MP 41-269 and MP 41-685” (**Appendix 2**) and inside the area shaded in red titled “AA Variation application area” on the attached aerial titled “Annexure 2: RC09035v1 area extension” (**Appendix 3**). This resource consent commenced on 01 February 2010, with the variation dated 12 January 2011, and has a duration of 35 years from the date of issue. See **Figure 2** below for an approximation of the subject site (original area outlined in light blue and variation area outlined in pink) in relation to the notified MINZ at Echo.

#### 4.1.2 RC09120

This resource consent grants three Land Use Consents and one Water Permit associated with an opencast coal mine within the area covered by MP 41269. The map provided with RC09120 is an aerial map from the Annual Work Programme prepared for 2018-2019 and outlines the “Access Arrangement MP41269 Boundary” (**Appendix 4**). This resource consent commenced on 01 February 2010 and has a duration of 35 years from the date of commencement. See **Figure 2** below for an approximation of the subject site (outlined in dark blue) in relation to the notified MINZ at Echo.

#### 4.1.3 RC09108

This resource consent grants a Land Use Consent to undertake land disturbance, vegetation removal and earthworks associated with an opencast coal mine within MP 41269 and MP 41685. The map provided with the RC09108 is an aerial map from the from the Annual work programme prepared 2020-2021 (**Appendix 5**). The map provided has no key to identify the “consented area” however it has a yellow outlined area which is the same as the “Access Arrangement” area mapped under RC09120 (above). This resource consent commenced on 1 February 2010 and has a duration of 35

years from the date of commencement. It is considered that the consented area under RC09108 is the same as that of RC09120 which is outlined in dark blue in **Figure 2** below.

## 4.2 Buller District Council

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### 4.2.1 RC09/52

This resource consent grants the continuation of an existing opencast coal mining operation at Echo Mine near Reefton within MP 41269 and MP 41685. This decision was granted on 29 October 2009. Further information was supplied by Buller District Council which included the relevant plans for RC09/52 which showed the Department of Conservation Access Arrangement boundary within MP 41269 and MP 41685 (**Appendix 6**). It is determined that the consented area under RC09/52 is the same area that is also consented under RC09035 (discussed above) and outlined in light blue in **Figure 2** below.

### 4.2.2 RC09/68

This resource consent grants the consent holder the right to enable the expansion of mining operations at Echo Mine near Reefton. This consent was applied for the proposed expansion of mining operations into Wellman North. The consent holder sought and obtained land use consents to authorise the existing mine operations (via RC09/52) and submitted this consent application to cover expansion into Wellman North. This decision was granted on 19 December 2009. Further information was supplied by Buller District Council that included the relevant plans for RC09/68 which identified the approximate location of the proposed mine expansion into Wellman North (**Appendix 7**).

A variation decision, RC09/68a, was consented after the original approval to expand into Wellman North. This variation decision extended the expansion of the site further and included the new approved plan titled "Proposed Haul Road, Wellman North, Figure 1: Site Plan" (**Appendix 8**). See **Figure 2** below for an approximation of the full expanded area for mining operations (outlined in green) in relation to the notified MINZ at Echo.

### 4.2.3 RC09/54

This resource consent grants the consent holder the right to enable the expansion of mining operations at Echo Mine near Reefton. This consent was applied for the proposed expansion of mining operations into Echo East Pit Stage 2. The consent holder sought and obtained land use consents to authorise the existing mine operations (via RC09/52) and submitted this consent application to cover expansions into Echo East Pit Stage 2. This decision was granted on 17 December 2009. Further information was supplied by Buller District Council which included the relevant plans for RC09/54 which included an aerial photograph showing the existing mine layout (under RC09/52) and the approximate location of the proposed mine expansion into Echo East Pit Stage 2 (**Appendix 9**).

A number variation decisions were consented after the original approval to expand into Echo East Pit. These variation decisions are identified as RC09/54a - RC09/54e and they authorised further incremental extensions to the Access Arrangement Area. The most recent sites plans were included with RC09/54d (**Appendix 10**) which show the most up to date representation of the Access Arrangement Area. See **Figure 2** below for an approximation of the subject site expansion areas (outlined in yellow) in relation to the notified MINZ at Echo.

### 4.3 Schedule 9 proposed Te Tai o Poutini Plan

---

Schedule 9 of the proposed Te Tai o Poutini Plan identified lawfully established mineral extraction and processing areas by listing the authorisation mechanism that permitted the activity. Schedule 9 identified the following Resource Consents and Coal Mining License (CML) in relation to the notified MINZ at Echo:

- **RC09/52:** Provided by Council and assessed above.
- **RC09/54:** Provided by Council and assessed above.
- **RC09/68:** Provided by Council and assessed above.
- **RC100087:** This was provided by Buller District Council at further request. The approved plan is an aerial photograph titled “Plan E” and is the same plan that was attached to RC09035 (**Appendix 3**) and approved the variation extension. Therefore, it is determined that the consented area under RC100087 is the same as the expanded consented area under the RC09035 which is outlined in pink in **Figure 2** below. The decision was granted on 22 December 2010.
- **RC110005:** This was provided by Buller District Council at further request. The approved plan is titled “Proposed Haul Road, Wellman North, Figure 1: Site Plan” and is the same plan that was attached to RC09/68a (discussed above and provided at **Appendix 8**). Therefore, it is determined that the consented area under RC110005 is within the expanded consented area under the RC09/68 which is outlined in green in **Figure 2** below. The decision was granted on 08 March 2011
- **RC110057:** This was provided by Buller District Council at further request. The approved plan is titled “Figure 1: Location of Proposed Wellman Overburden Stack Extension” and is the same plan that was attached to RC09/54b and formed a part of the expansion into Echo East Pit. Therefore, it is determined that the consented area under RC110057 is within the expanded consented area under RC09/54 which is outlined in yellow in **Figure 2** below. The decision was granted on 09 August 2011.
- **RC120053:** This was provided by Buller District Council at further request. The approved plan is titled “Figure 2: Site Plan” and is the same plan that was attached to RC09/54c and formed a part of the expansion into Echo East Pit. Therefore, it is determined that the consented area under RC110057 is within the expanded consented area under RC09/54 which is outlined in yellow in **Figure 2** below. The decision was granted on 09 August 2012.
- **RC120096:** This was provided by Buller District Council at further request. The approved plan is titled “Figure 2: Proposed Site Plan” and is the same plan that was attached to RC09/54d (**Appendix 10**). Therefore, it is determined that the consented area under RC120096 is within the expanded consented area under RC09/54 which is outlined in yellow in **Figure 2** below.
- **CML37160:** West Coast Regional Council have advised that they were not able to locate copies of the CML documents or maps as they are relatively old and not in the electronic filing system. They advised that New Zealand Petroleum and Minerals (**NZPM**) may hold a copy. A search on the NZPM GIS database for Mineral Permits shows that CML37160 is currently active as a Mining

Licence which commenced on 01 April 1987 and has an expiry of 31 March 2027<sup>1</sup>. It is currently owned by Birchfield Coal Mines Limited. Aerial imagery obtained from the NZPM GIS database for Mineral Permits showing the area encompassed by CLM37160 is provided as **Appendix 11**. See **Figure 2** below for an approximation of the subject site with the CML outlined in orange in relation to the notified MINZ at Echo.

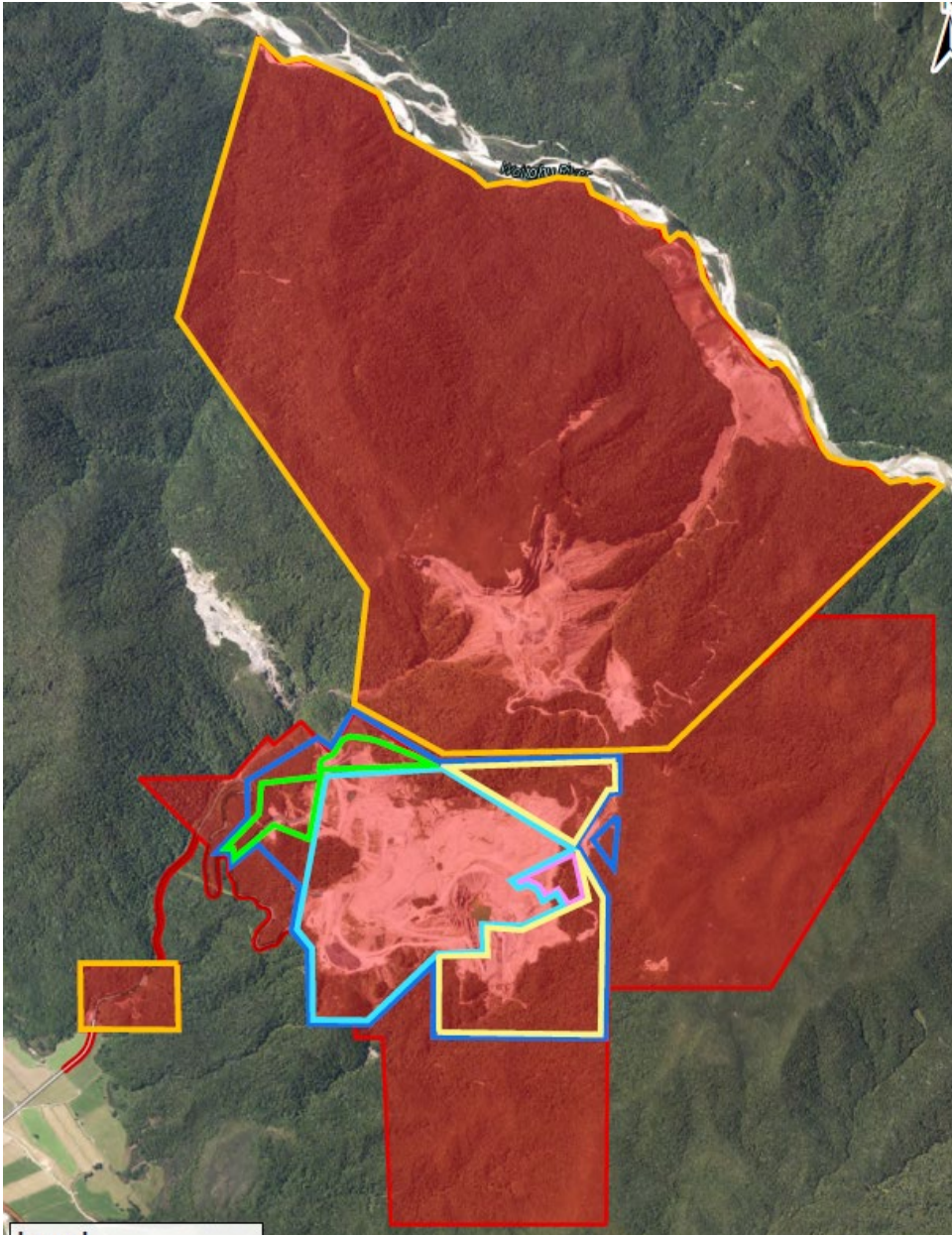
#### 4.4 Summary

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Based on an assessment of the available information, the resource consents provided and CML information sourced from NZPM confirm that a portion of the notified MINZ at Echo has authorisation to operate a mining activity (**Figure 2** below). A full copy of the map depicting the sites with authorisation to operate a mining activity in relation to MINZ at Echo is provided at **Appendix 12**.

---

<sup>1</sup> 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



**Figure 2: Map of Authorised Mining Activities in relation to MINZ. The full map at Appendix 12.**

## 5.0 Recommendation

The additional information provided by the resource consents and CML listed above identify areas within the notified MINZ at Echo that have authorisation to operate a mining activity.

As we have not received a copy of a current Coal Mining Licence, Ancillary Coal Mining Licence or resource consent to confirm that the remaining land within the notified MINZ at Echo has been authorised to operate a mining activity, the following recommendation is made.

It is recommended that the notified MINZ for Echo is reduced, as outlined at **Figure 2** above and **Appendix 12**, to only include the areas subject to the existing resource consents and CML provided and discussed above.

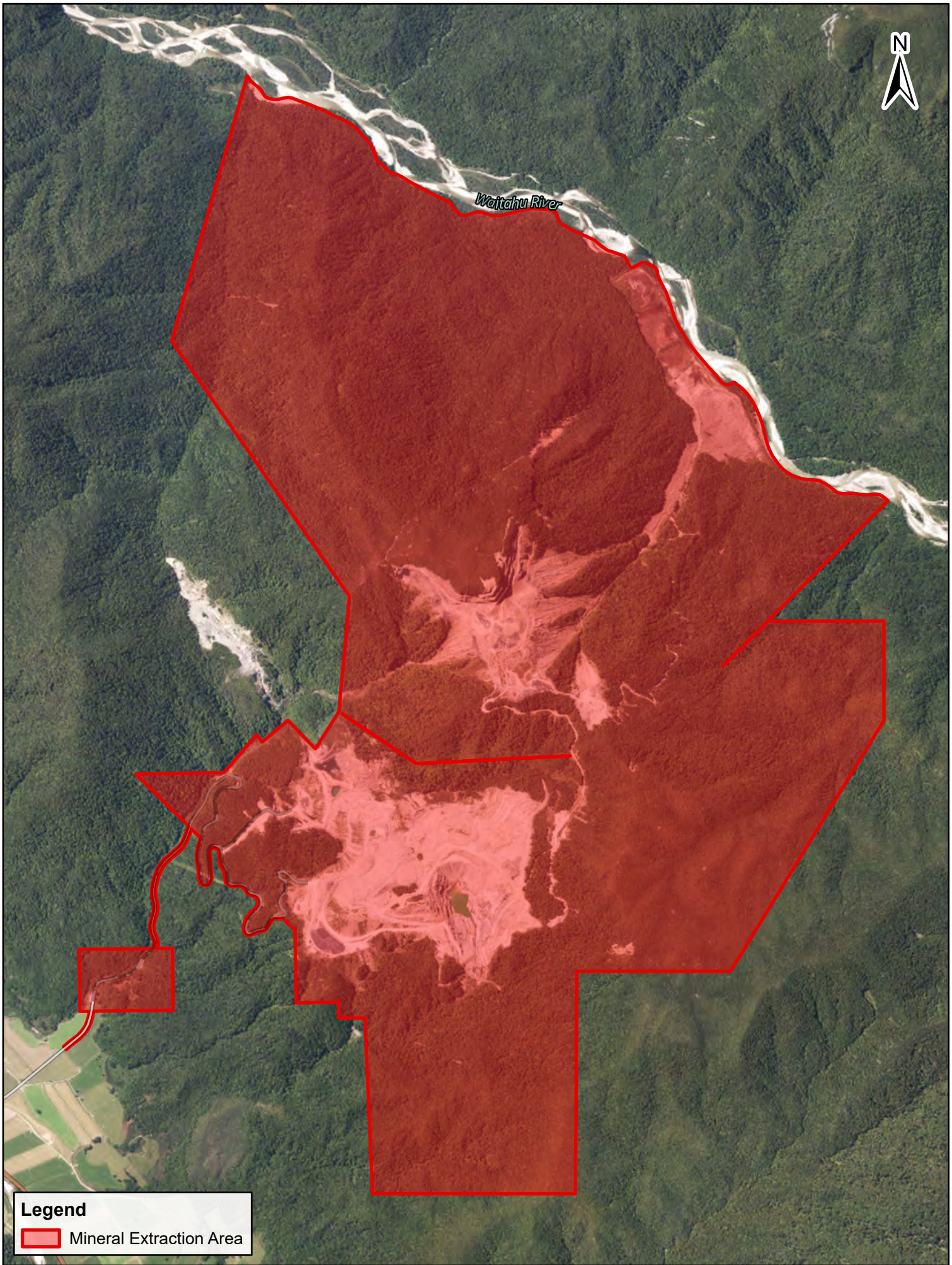
Appendix 1

---

Notified MINZ Area



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Waitahu River

**Legend**

Mineral Extraction Area

Contains data sourced from LINZ Data Service licenced for reuse under CC BY 4.0, including imagery and property boundaries.  
 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).

PREPARED BY	Conor McIntosh	DATE	12/04/2024	SHEET	1 OF 1	TPG REF	718509	A4 Scale	1:23,000	0	540 Metres
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**Mineral Extraction Area**  
 Echo



Appendix 2

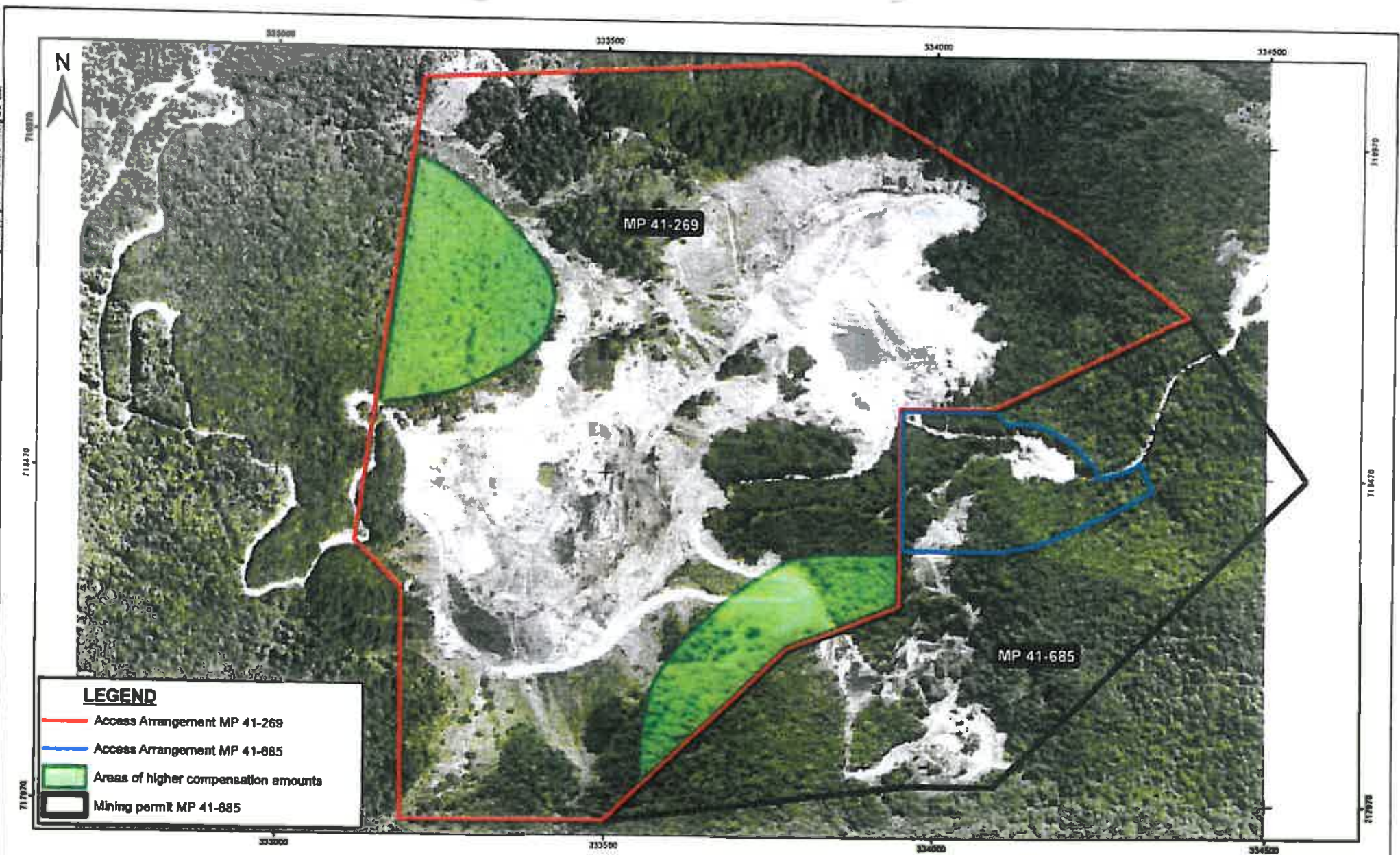
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RC09035 Original Map



Urban & Environmental

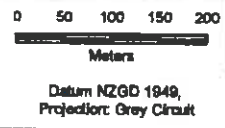
Information contained on this drawing is the copyright of Francis Mining Co. Ltd. Unauthorised use or reproduction of this drawing without the prior written consent of Francis Mining Co. Ltd. is prohibited.



**LEGEND**

- Access Arrangement MP 41-269
- Access Arrangement MP 41-885
- Areas of higher compensation amounts
- Mining permit MP 41-885

**Note**  
 Aerial photography dated 22/12/2008



Francis Mining Co. Ltd		ACCESS ARRANGEMENT MP 41-269 and MP 41-885	
MCD	18-12-2006	PLAN D	
JY	18-12-2008		
1:7,500	FMCL02C	1	D A4

Appendix 3

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RC09035 Variation Map

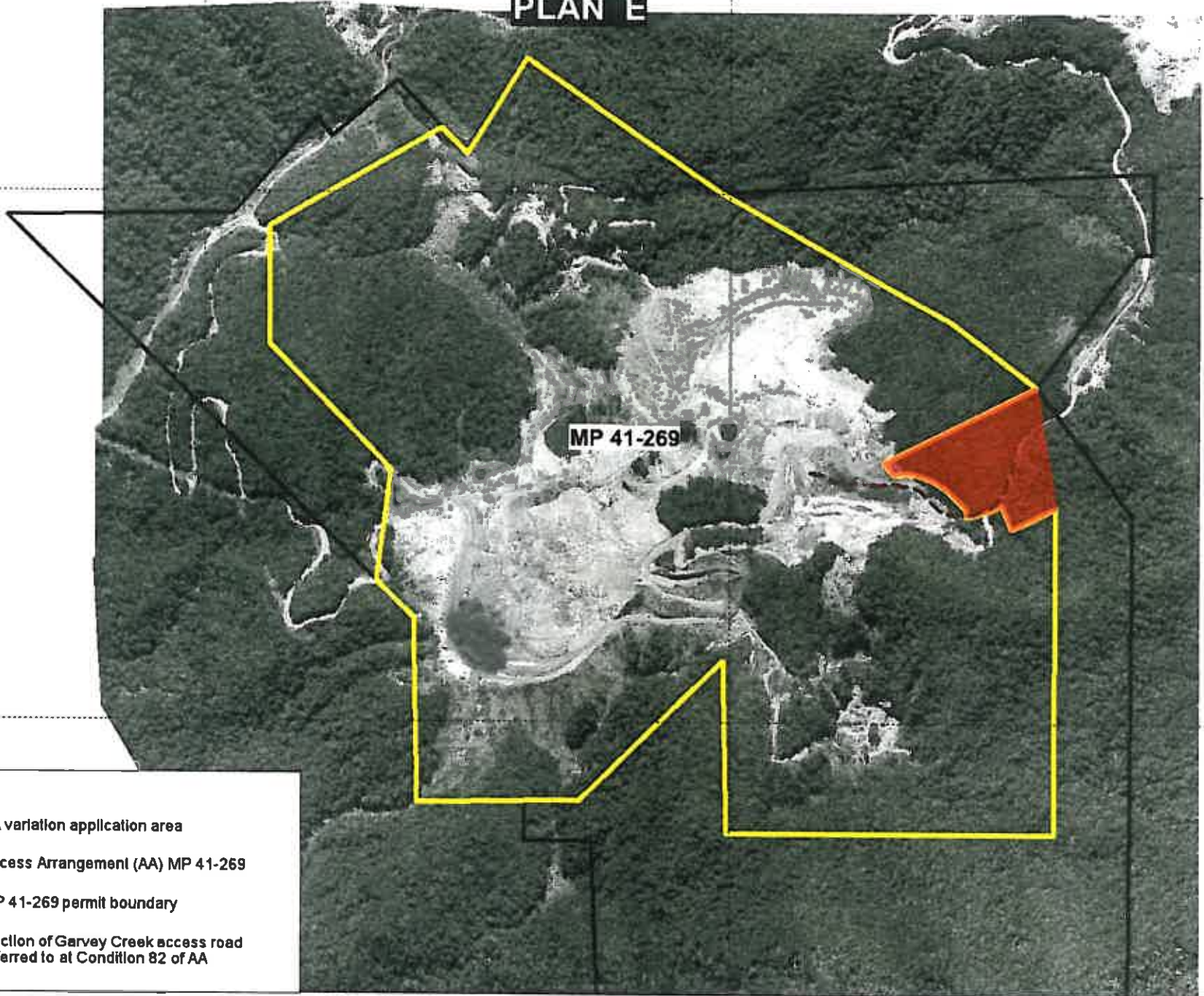


Urban & Environmental

Annexure 2: RC09035v1 area extension





PLAN E

N



MP 41-269

**LEGEND**

-  AA variation application area
-  Access Arrangement (AA) MP 41-269
-  MP 41-269 permit boundary
-  Section of Garvey Creek access road referred to at Condition 82 of AA

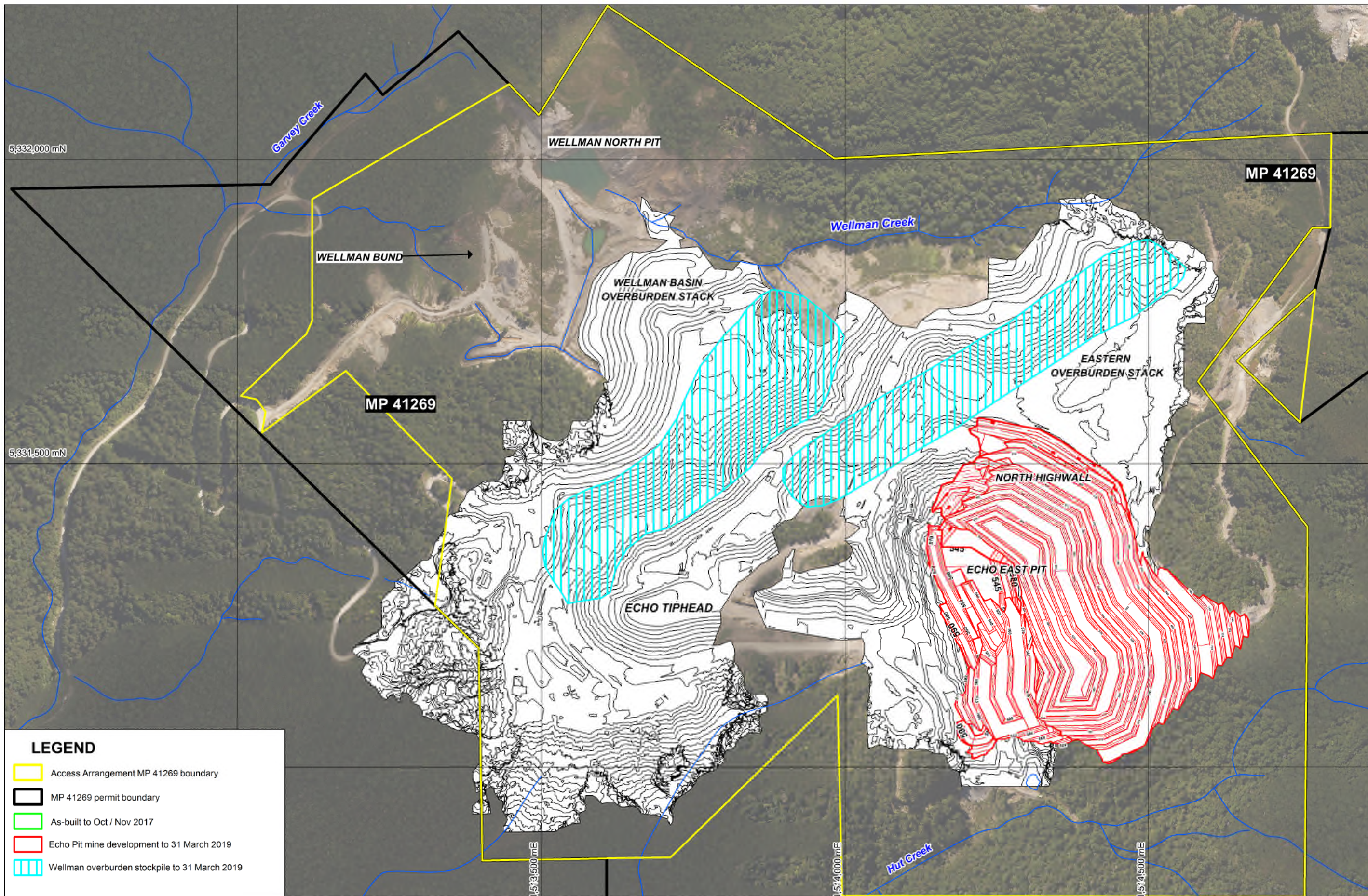
Appendix 4

---

RC09120 Map



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**LEGEND**

- Access Arrangement MP 41269 boundary
- MP 41269 permit boundary
- As-built to Oct / Nov 2017
- Echo Pit mine development to 31 March 2019
- Wellman overburden stockpile to 31 March 2019

N:\... \AWP 2018\AWP\_Fig4\_MineDevelopment\_2019.wor  
1 March 2018

Note: 1. As-built Echo East Pit survey dated 5 October 2017; Wellman Basin Overburden survey dated 9 November 2017  
2. Aerial photography dated March 2017


## MP 41269 Annual Work Programme

Figure 4a: Mine Development Plan, 1 April 2018 to 31 March 2019



50 0 50 100  
metres

Scale 1:6 000 (A3)  
Projection: NZTM  
Datum: NZGD2000

Plan approved by:   
E. Moynihn (Mine Manager)

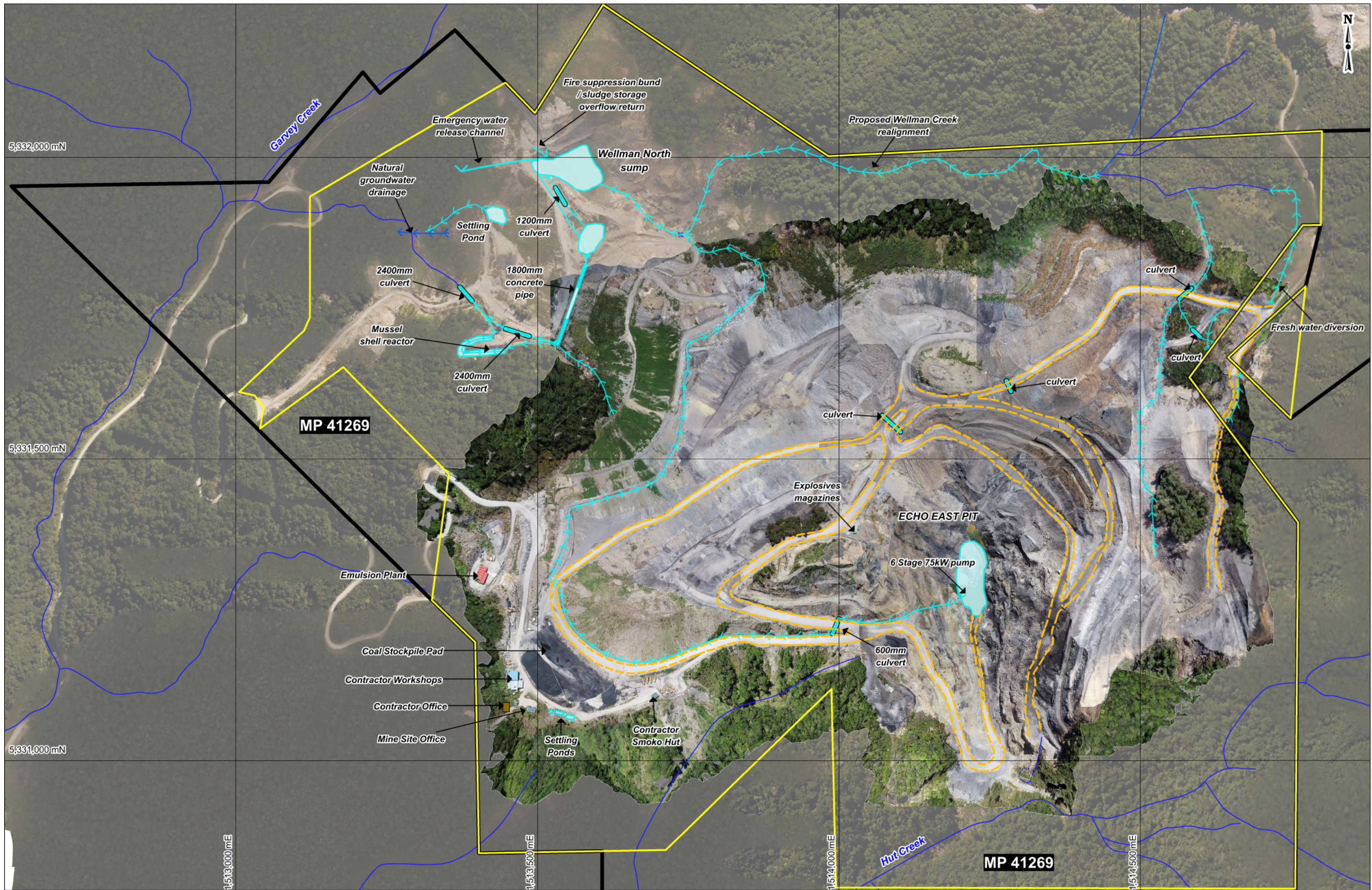
Appendix 5

---

RC09108 Map



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C:\...AWP 2020\AWP\_Fig5\_WaterMgmt\_Infrastructure\_2021.wor  
20 March 2020


Note: Aerial photography dated 10 February 2020 (pit and overburden areas) and March 2017 (surrounding areas)

### MP 41269 Annual Work Programme

Figure 5: Water Management and Infrastructure Plan  
1 April 2020 to 31 March 2021



50 0 50 100  
metres  
Scale 1:6 000 (A3)  
Projection: NZTM  
Datum: NZGD2000

Plan approved by:   
E. Moynihan (Mine Manager)



Appendix 6

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RC09\_52 Relevant Plans



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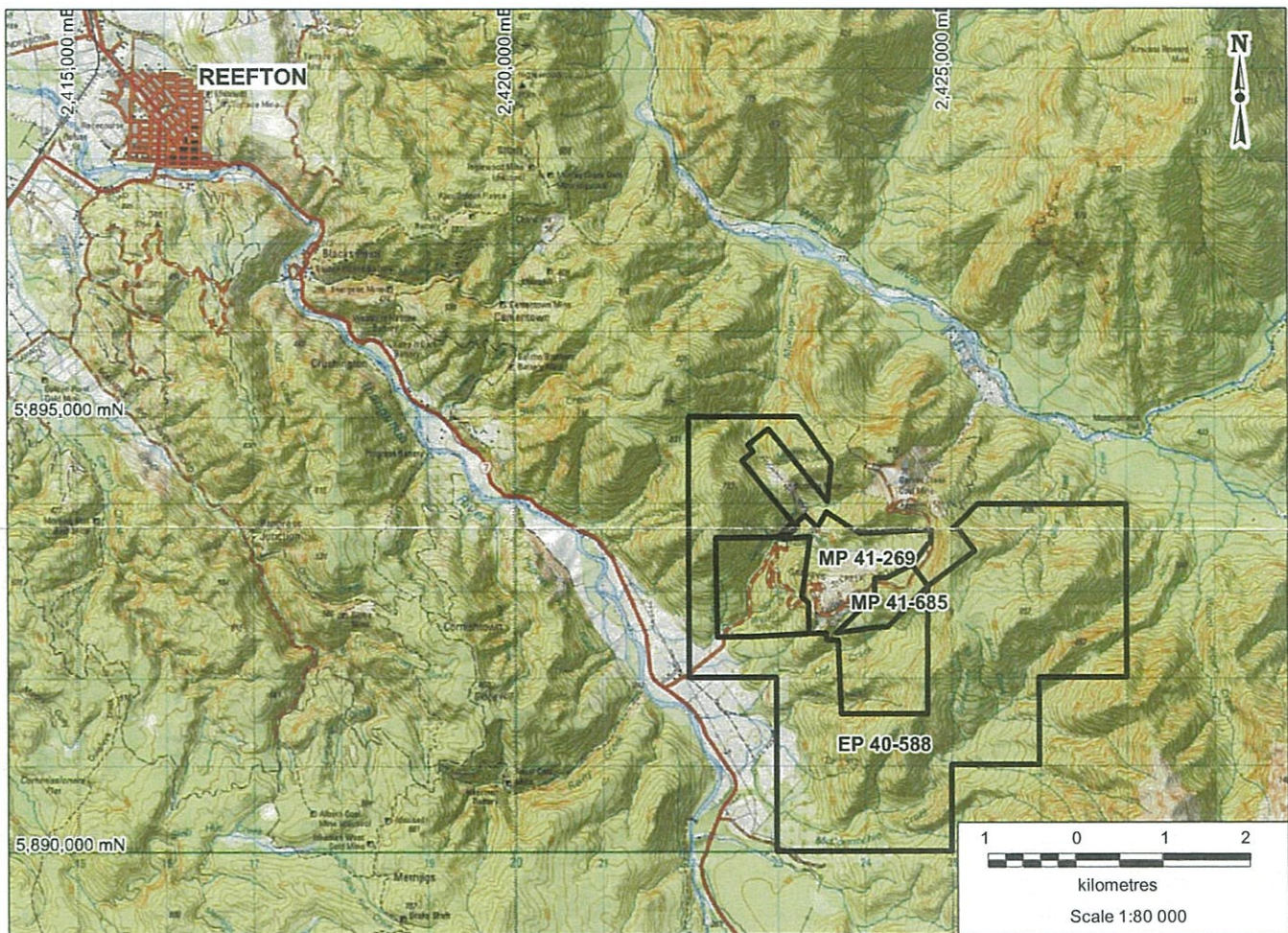
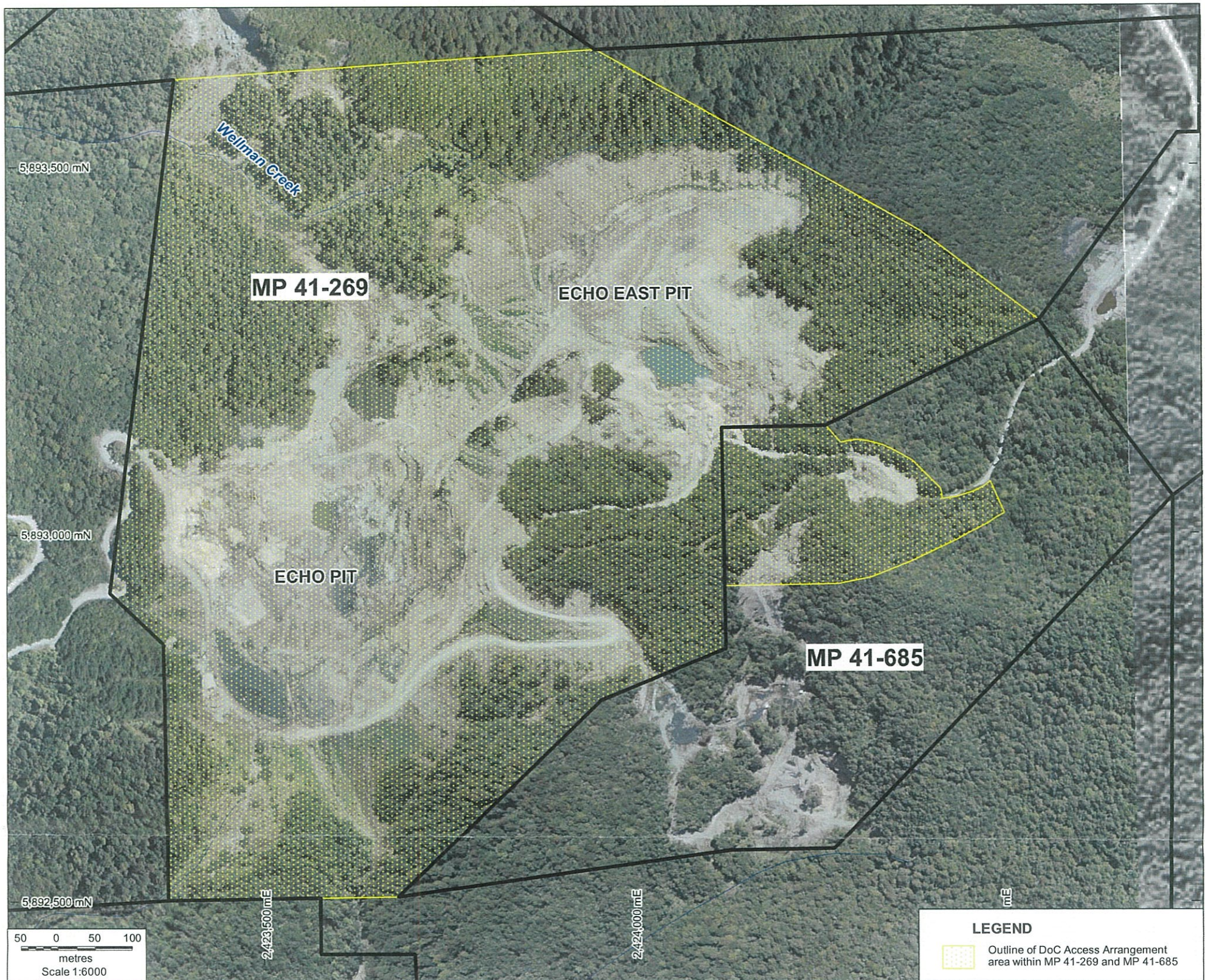


Image Sources:  
 1. Land Information New Zealand, NZMS Topographical Map  
 Crown Copyright Reserved  
 2. Aerial photography from SENZ, dated December 2006

SCALE		PROJECT			
Projection: New Zealand Map Grid (NZGD1949)		Echo Mine			
DRAWN MCD		DATE 18-03-2009		Resource Consent Application	
CHECKED JY		DATE 18-03-2009		TITLE LOCATION PLAN AND AREA OF MINING	
		PROJECT No FMC02D-001	FIGURE 1	REV No 0	A3

Appendix 7

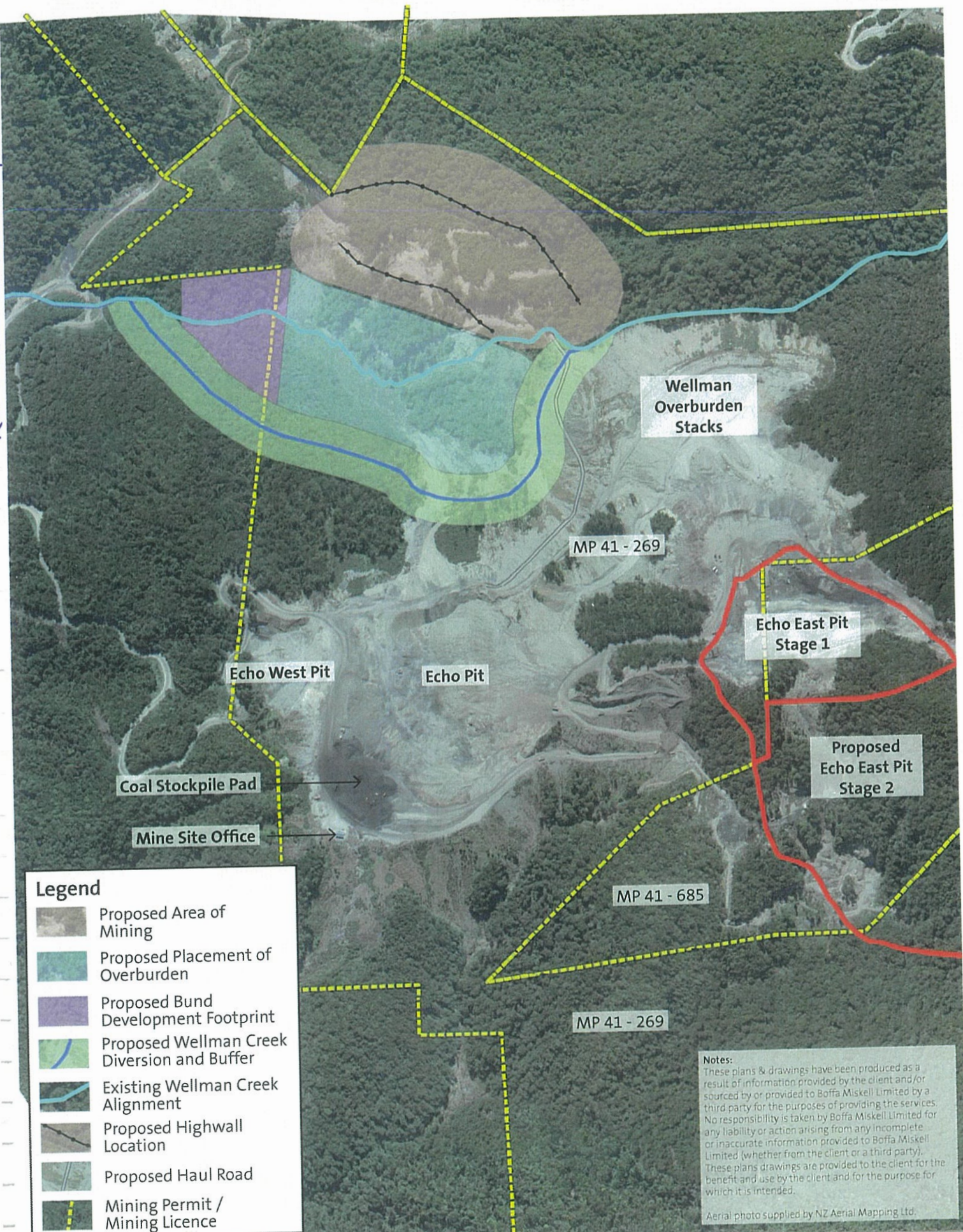
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RC90068 Relevant Plans



Urban & Environmental

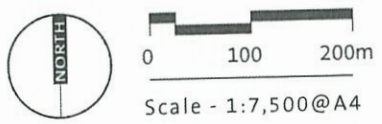
KC 070000 RECURRENT (19) 2/13



**Legend**

- Proposed Area of Mining
- Proposed Placement of Overburden
- Proposed Bund Development Footprint
- Proposed Wellman Creek Diversion and Buffer
- Existing Wellman Creek Alignment
- Proposed Highwall Location
- Proposed Haul Road
- Mining Permit / Mining Licence

**Notes:**  
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 Aerial photo supplied by NZ Aerial Mapping Ltd.



## WELLMAN NORTH Figure 2 - Site Context

1st September 2009  
 Contact: gary.white@boffamiskell.co.nz  
 © Boffa Miskell Ltd 2009

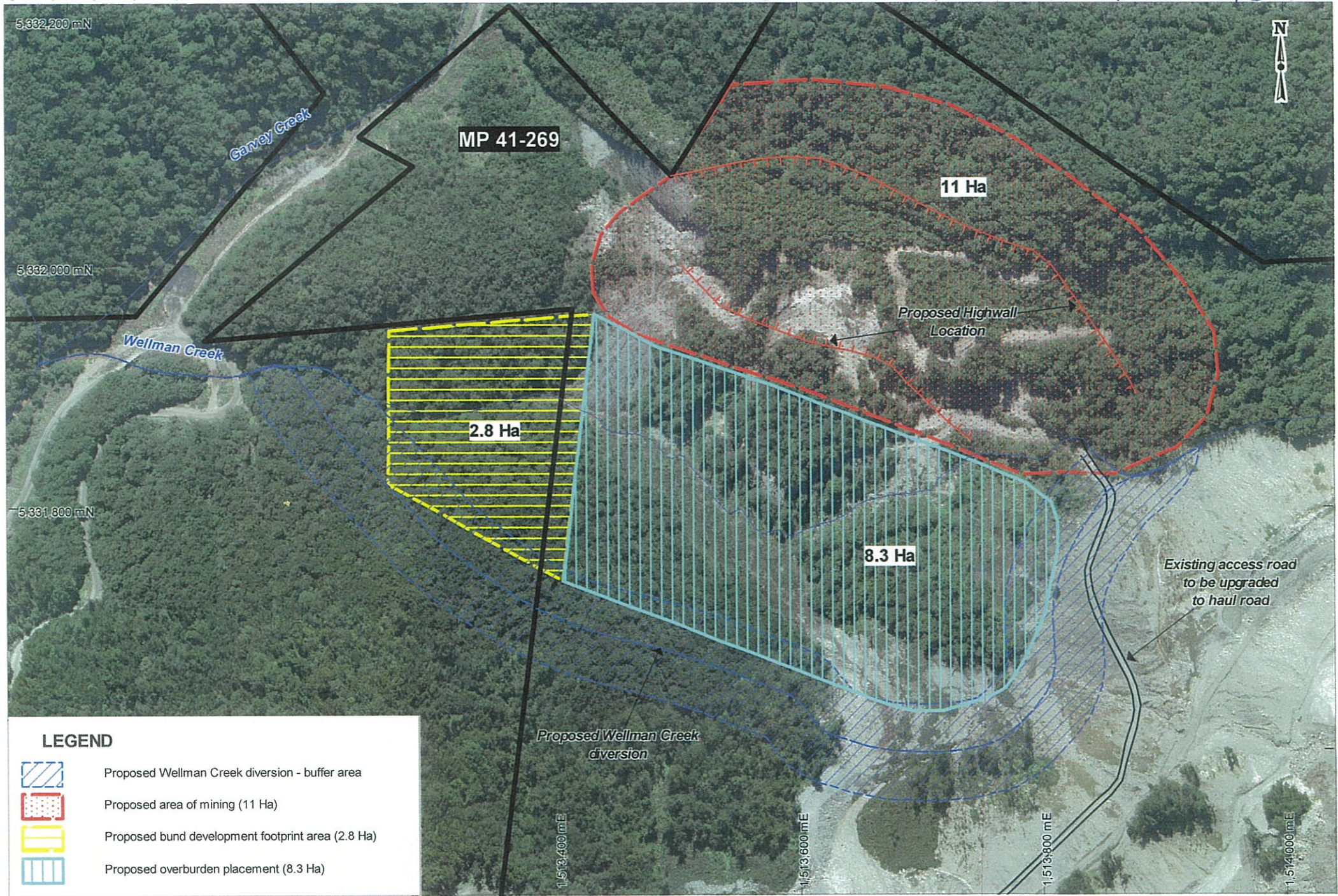


Figure 3: WELLMAN NORTH - PROPOSED MINING OPERATIONS

Scale 1:4000 (A4)  
Projection: NZ Transverse Mercator  
(NZGD2000)

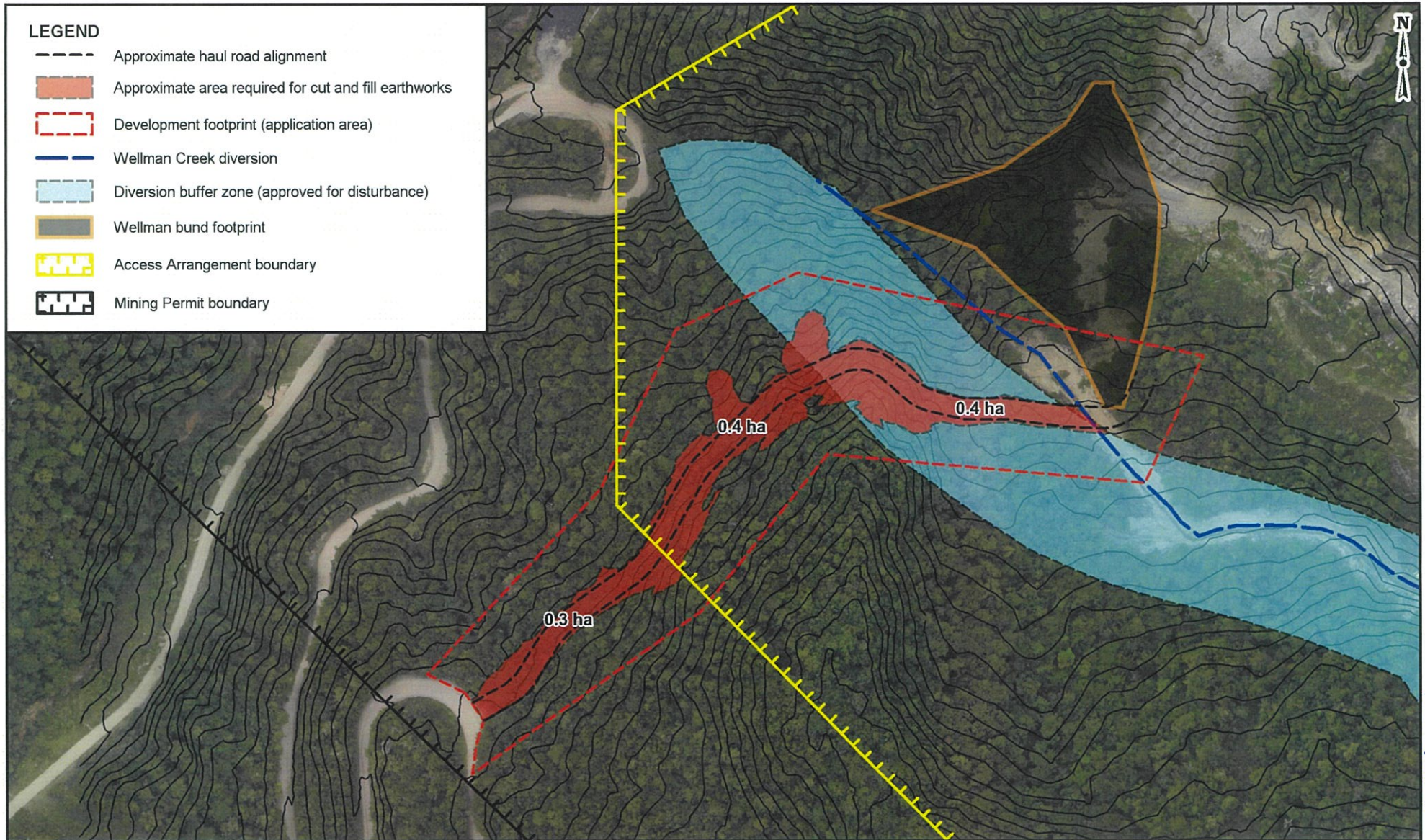
Appendix 8

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RC90068a Approved Plan



Urban & Environmental



File location: C:\Project Files\FMC02 - Echo Mine & EPs\FMC02E - Technical\Mapinfo\NZTM\Workspaces\Proposed\_HaulRoad\_Wellman\_SitePlan\_Jan11.wor  
Jan 2011



25 0 25 50  
metres  
SCALE 1:3 000 (A4)  
PROJECTION: NZTM (NZGD2000)

PROPOSED HAUL ROAD, WELLMAN NORTH  
FIGURE 1 : SITE PLAN

Appendix 9

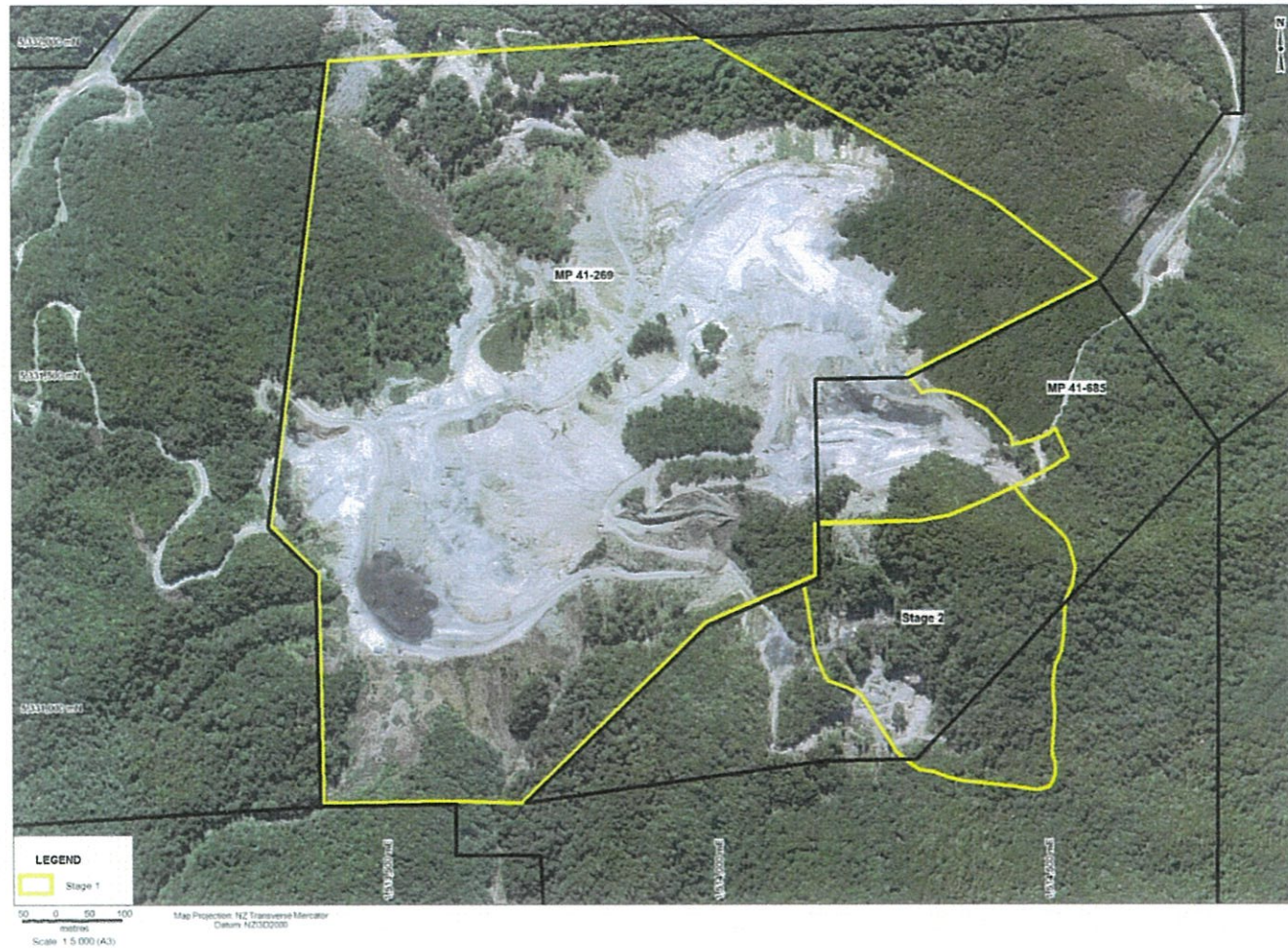
---

RC090054 Relevant Plans



Urban & Environmental





3

Figure 2: Aerial photograph showing the existing mine layout (February 2009) and the approximate location of the proposed mine expansion at Echo East Pit Stage 2. The black lines are the boundaries of mining permit areas.

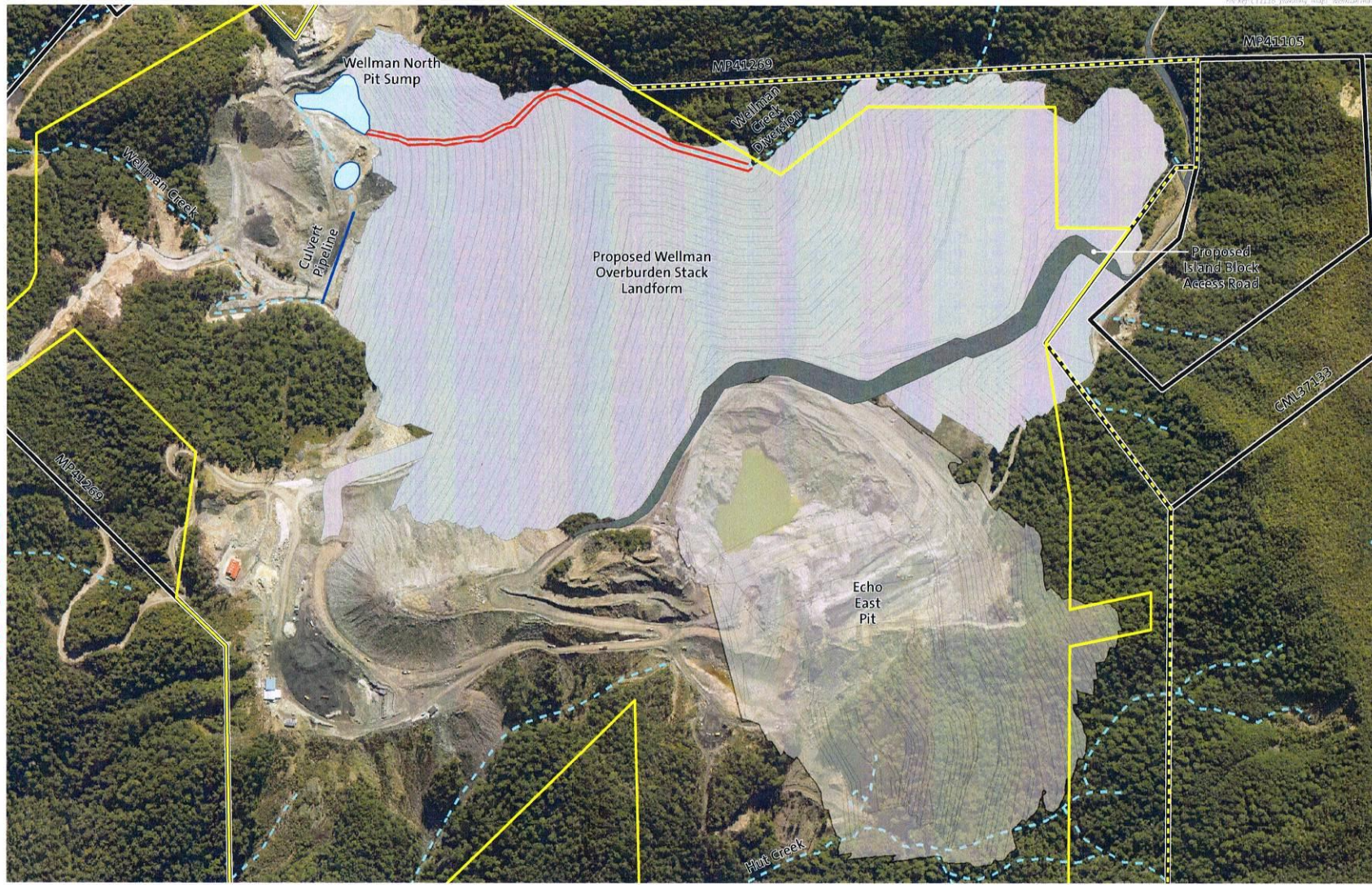
Appendix 10

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RC90054d Approved Plan





Urban & Environmental






**APPROVED PLAN**  
 Dr/ln/1 and 2009/154



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 1:5,000 @ A3

**Data Sources:**  
 Aerial photos sourced from NZ Topographic Mapping Agency  
 All design data supplied by Francis Mining Limited  
 Existing waterways sourced from Crown copyright reserved

- Legend**
-  Mining Permit and CML Boundaries
  -  Existing AA Boundary
  -  Proposed AA Boundary
  -  Proposed Rock Lined Channel for Wellman Creek Diversion



**ECHO MINE**  
**Figure 2: Proposed Site Plan**  
 Date: 17 July 2012  
 Plan prepared for Francis Mining Limited by Boffa Miskell Limited  
 Author: gary.white@boffamiskell.co.nz | Checked: VJ

Appendix 11

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NZPM GIS CML37160



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Figure 1: Map of CML 37160. Source NZPM Permit Maps

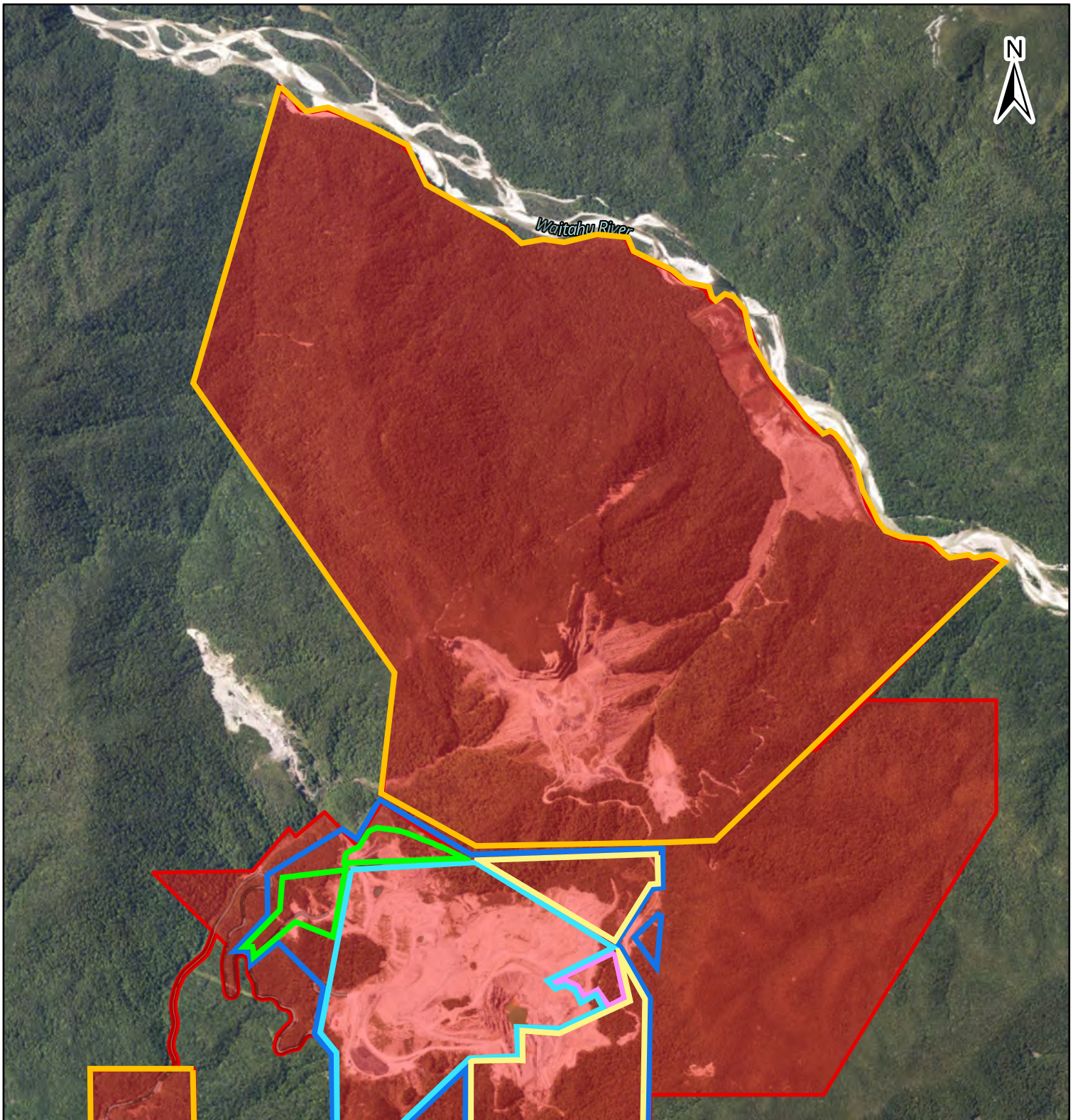
## Appendix 12

---

Map of Authorised Mining Activities in relation to MINZ




Urban & Environmental










Waikahu River



**Legend**  
 Mineral Extraction Area

**LEGEND**

-  RC09035 (Original) and RC09/52
-  RC09035 (Variation) and RC100087
-  RC09120 and RC09108
-  RC09/68
-  RC09/54
-  CML37160
-  Notified MINZ Area



**The Property Group**

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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).

PREPARED BY	Conor McIntosh	DATE	12/04/2024	SHEET	1 OF 1	TPG REF	718509	A4 Scale	1:23,000	0	540 Metres
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**Mineral Extraction Area**  
 Echo



**Te Tai o Poutini PLAN**  
 A combined district plan for the West Coast