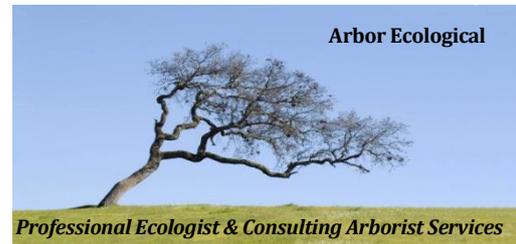


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ABN: 84695729631

Date 30/03/21

Holcim (Australia) Pty Ltd
Attn. Shilpa Shashi

Re: Interim Report on the 2021 Weed Control Program, Holcim Rock Quarry, Teven NSW

On 10/03/21 Arbor Ecological recommenced a weed control program at the Holcim Rock Quarry at Teven NSW.

The scope of works is as follows having been informed by communications with site managers and in line with requirements of and the *Biodiversity and Rehabilitation Management Plan, Teven Quarry* (Prepared by EMM for Holcim (Australia) Pty Limited, 18 May 2016) and the *Teven Quarry Biodiversity & Rehabilitation Management* (August 2020 Update, Holcim Australia):

- Implementation of a rehabilitation strategy targeting regeneration of Eucalypt, Brushbox and Rainforest communities across the non-disturbance areas of the site
- Weed management protocols for Camphor Laurel, Lantana and other weed species; and targeted planting of a range of native species, including species which provide habitat for threatened fauna species

The weed control program is targeting priority weeds in Eucalypt, Brushbox and Rainforest communities and operational areas of the site. Priority weeds include Camphor Laurel, Lantana and other weeds identified in the *North Coast Regional Strategic Weed Management Plan 2017-2022* (North Coast Local Land Services, 2017).

A rehabilitation/ weed control approach has recommenced as follows:

- Rapid inspections of targeted Eucalypt, Brushbox and Rainforest plant communities in non-disturbance areas of the site
- Identification of priority rehabilitation areas, i.e. targeted plant communities in relatively accessible parts of the site and in relatively good condition
- Commencement of weed control works in priority rehabilitation areas to improve plant community condition and flora and fauna habitat values

Targeted planting of native species, including infill plantings, is considered to not be a priority until at primary weed control works are complete as a minimum. However, rehabilitation monitoring will include identification of any future infill planting requirements based on monitoring of weed control outcomes such as natural recruitment and regeneration of naturally-occurring endemic species in Eucalypt, Brushbox and Rainforest plant communities.

Our approach uses industry best practice methods for weed control and chemical handling in line with DPI (2018)¹, BSRLG (1998)² and North Coast Regional Strategic Weed Management Plan 2017-2022 (North Coast Local Land Services, 2017). All bush regenerators are suitably qualified and experienced. For safety purposes, a minimum two-person team of bush regenerators continue to conduct works at the site.

Initial weed control works commenced in the Subtropical Rainforest vegetation community in the northeast portion of the site as shown in Figure 1.

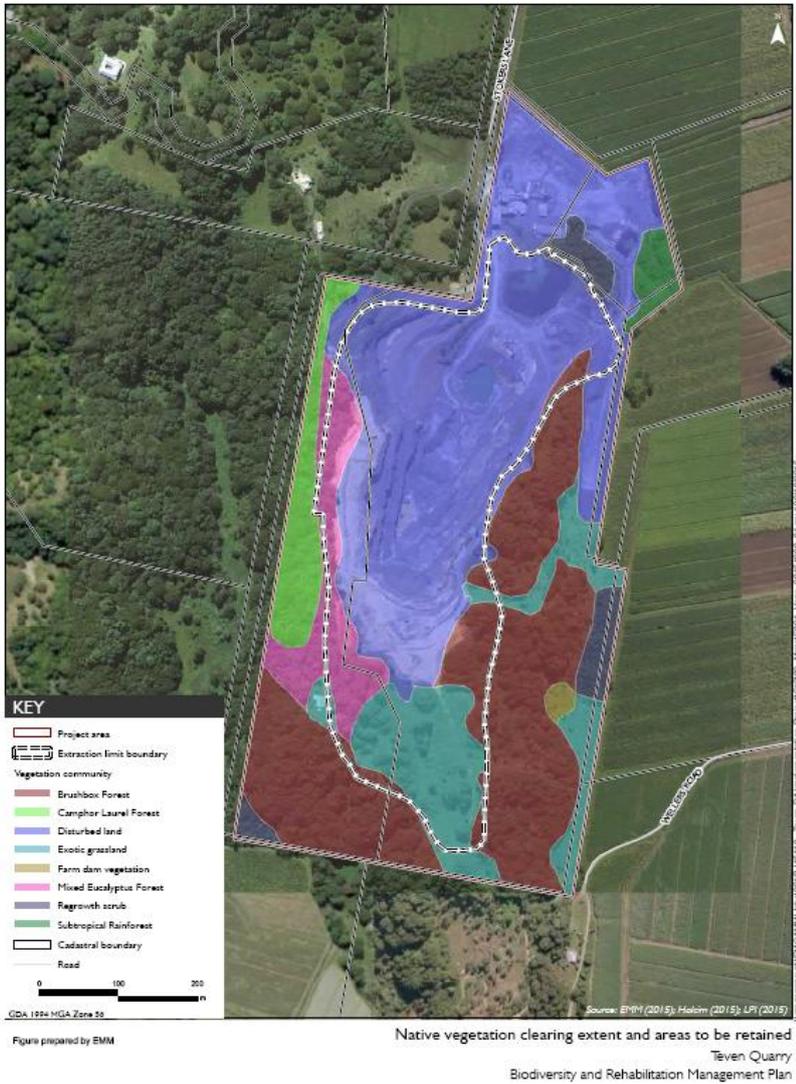
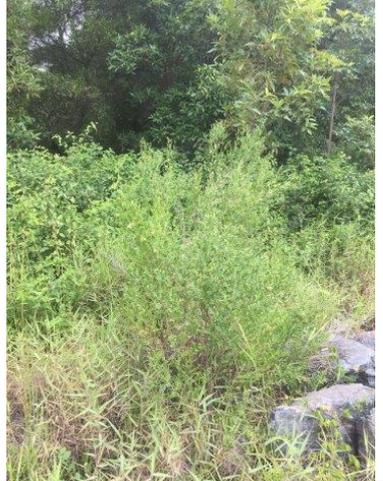


Figure 1. Vegetation communities in areas to be retained.

¹ NSW Department of Primary Industries (DPI) 2018, Weed Control Handbook – A guide to weed control in non-crop, aquatic and bushland situations 7th Edition.

² Big Scrub Rainforest Landcare Group (BSRLG), 1998, *Common Weeds of Northern NSW Rainforest, A practical manual on their identification and control*, 2nd Ed., Big Scrub Rainforest Landcare Group, Mullumbimby NSW.

Plates

	
<p>Plate 1. One of four photo monitoring photos at 5m along a 50m transect through subtropical rainforest vegetation community</p>	<p>Plate 2. One of four photo monitoring photos at 25m along a 50m transect through subtropical rainforest vegetation community</p>
	
<p>Plate 3. One of four photo monitoring photos at 45m along a 50m transect through subtropical rainforest vegetation community</p>	<p>Plate 4. Isolated Crofton weed targeted for weed control in roadside operational area</p>
	
<p>Plate 5. Isolated Groundsel Bush weed targeted for priority control in area adjoining Brushbox forest vegetation community</p>	<p>Plate 6. Fauna scratch marks typical of Lace Monitor on planted Forest Red Gum</p>

	
<p>Plate 7. Fresh fauna scats typical of a Swamp Wallaby adjoining Brushbox Forest vegetation community</p>	<p>Plate 8. Weeds in the area of previous koala food tree plantings.</p>
	
<p>Plate 9. Lantana along the edge of previous rainforest plantings</p>	

Don't hesitate to contact me if you require clarification or further information regarding works undertaken to date or findings.

Regards
Michael Hallinan

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