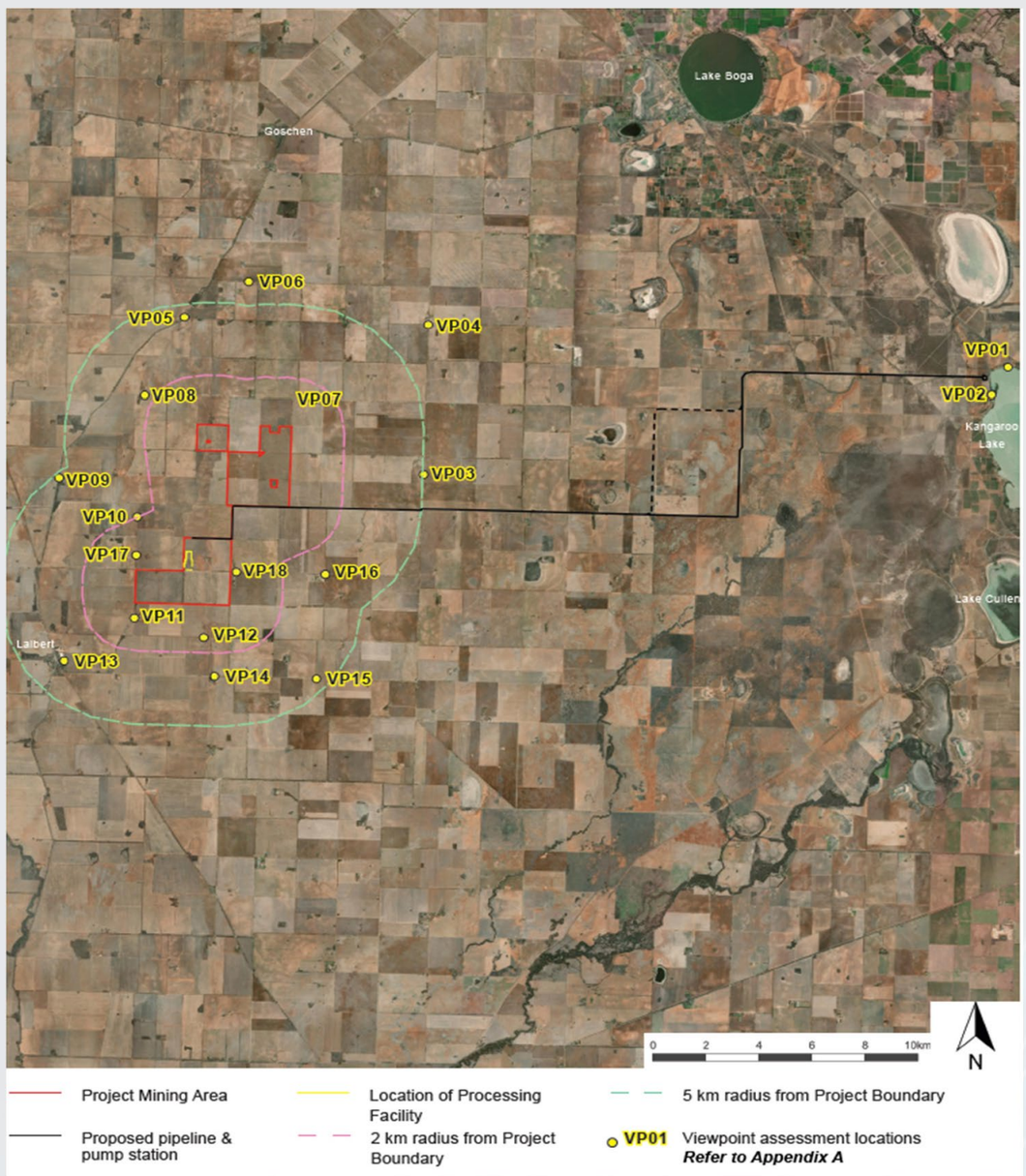
VHM Limited

Goschen Rare Earths and Mineral Sands Project

LANDSCAPE AND VISUAL AMENITY IMPACT ASSESSMENT STUDY



Locations from which viewpoints to project area have been assessed.

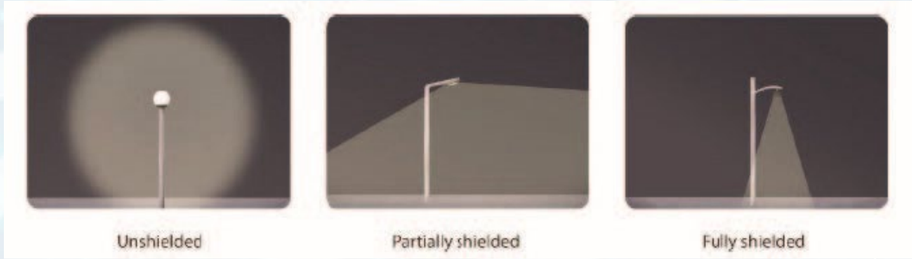
Impact assessment study findings

- Visibility of the project is limited due to the generally flat topography, combined with existing roadside vegetation.
- Populated areas within Lalbert and its associated recreation spaces will not be able to see the project due to distance and vegetation.
- Views from the main transport corridor – Donald-Swan Hill Road, will be negligible.
- The highest visibility of the project is likely to be from the low-use roads immediately adjoining the project.
- Residences within the two kilometre and two-to-five-kilometre range of the project will have limited views to the project due to existing screening vegetation surrounding the residences.
- The impacts of night lighting (light pollution) will be moderate to low due to limited visibility to the project area.
- Potential visual impacts of construction activities associated with the water pipeline and pump station at Kangaroo Lake will be temporary. Existing vegetation along the proposed pipeline route will screen views of construction activity.

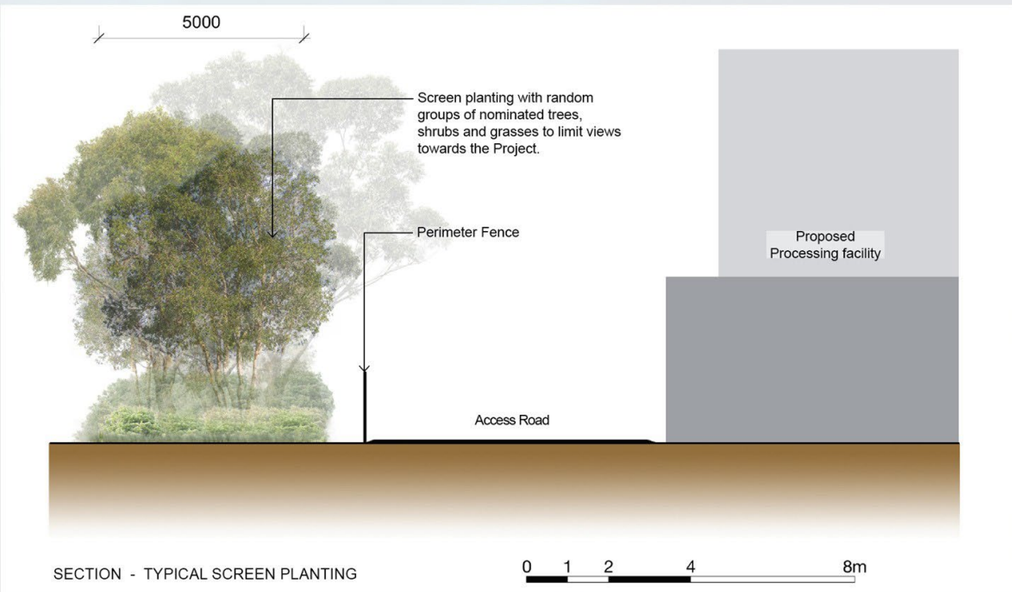
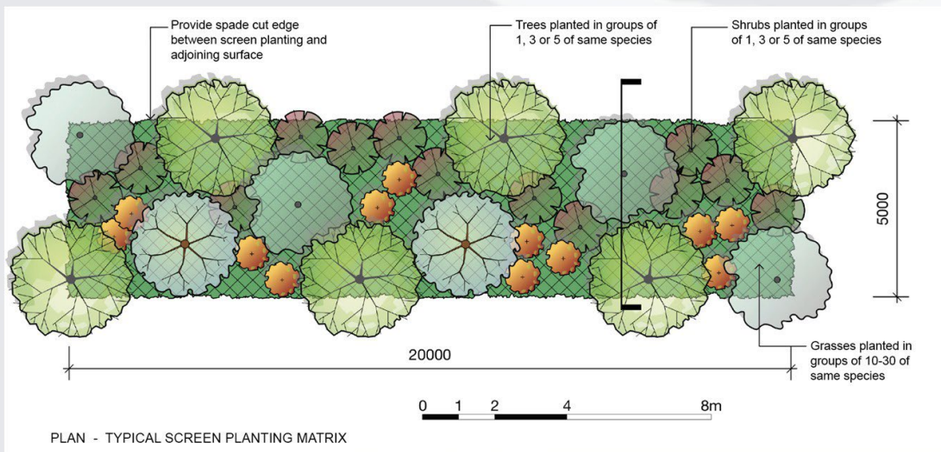
Above: typical planting around dwellings.

Mitigation – night lighting

- Controlled lighting sources (limit lighting to paths and building entry points, and limit number of floodlights in the mining area).
- Limit light intensity.
- Mining areas to install lights behind stockpiles and bund walls to avoid light spill.
- Installation of shielded, targeted and sensory lighting.
- Lighting installed temporarily for construction to be shielded, directed away from dwellings and not directed towards reflective surfaces.
- Eliminate light spill/glow effect as much as possible by directing light sources downwards.
- Building facades to be non-reflective colours or tones.



Above: Lighting.

Mitigation – landscape screening

- Where possible, retain existing planting. Establish vegetation protection zones at detailed design stage.
- Any roadside or site vegetation removed for construction or operations be mitigated by providing additional planting.
- Supplementary planting as required to ensure longevity of existing visual screening.
- Mitigation planting to be undertaken in the early phase of project establishment.