The approach to the assessment of potential visual impacts has focussed on changes in landform associated with the maximum extent of the visible project components to assess the degree of change in visual catchment associated with the Project relative to existing and approved NPM operations.

5.12.1 Existing Visual Amenity

The area surrounding the Project is utilised primarily for broad scale agriculture and includes a number of private residences. The closest private residences vary in distance to the Project Area ranging from approximately 1 kilometre to the east, approximately 2.7 kilometres to the west and approximately 2.8 kilometres to the south of the Project Area boundary as shown on **Figure 5.28**.

Bogan Road is located approximately 1 kilometre to the east of the Project Area; with views of the NPM operations available along extents of Bogan Road (refer to **Figure 5.28**). Other minor roads including Adavale Lane, Five Chains Lane and McClintock's Lane also have existing views of NPM's operations.

The existing night time character of the Project Area and surrounding landscape is rural with scattered residences and night glow from existing NPM operations.

Given the nature of the topography and land use in the Project Area and surrounds there is minimal variation in scenic quality. In general terms, scenic quality is considered to improve with increasing diversity of topographic ruggedness, vegetation patterns, natural and agricultural landscapes and water bodies (Andrews Neil 1999). Scenic quality is typically considered to decrease with views of the built environment (including both urban and industrial development) and areas of extensive earthworks (e.g. mines and quarries).

As outlined in **Section 1.2.1**, the topography of the land surrounding the mine site is generally flat and is utilised extensively for dry land cropping. Given the relative low change in relief surrounding the Project Area, there are no specific areas that would provide for increased views of the NPM operations. As such, the views of the existing NPM operations in the surrounding area are variable dependent on the location of the receiver, in particular the relative distance to the Project Area. In addition, the effect of localised features, such as areas of vegetation, particularly along public roads and property margins, and localised areas of topographical relief, will also influence visibility of the Project Area from surrounding areas.

In general terms, the visual catchment of existing and approved NPM operations extends to the immediate area of 1 kilometre to 2 kilometres to the north and north-east, with potential for longer distance views to the west and south of the Project Area of up to 2 kilometres to 6 kilometres from the Project Area boundary (refer to **Figures 5.28** to **5.33**).

5.12.2 Visibility of the Project

The underground mining components of the project will occur within previously disturbed areas, and will continue to utilise existing surface infrastructure associated with approved NPM operations. All other surface infrastructure associated with NPM, including ore stockpiling and processing infrastructure, and existing stockpiles will remain unchanged as part of the Project.

Elements of the Project that will be potentially visible from surrounding private residences and public roads are generally limited to the proposed amendments to TSF infrastructure and proposed waste dumps located in the southern extent of the Project Area (refer to **Figure 5.28**).





Source: NPM (2013), Google Earth (2010)

Legend

Project Area Proposed Additional Disturbance Area F DApproved Tailings Storage Facility (Rosedale) Existing Tailings Storage Facility Proposed TSF3 New Underground Block Cave Mining Area Proposed Open Cut Areas

ZZZ Proposed Waste Dumps Visual Assessment Location . Mined Owned Residence 1 Agreement Residence Û Derelict Residence

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🎓 Private Residence
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2.5 1:100 000

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FIGURE 5.28

Radial Analysis Locations



Umwelt



Legend		
Project Area	ZZZ Proposed Waste Dumps	
Proposed Additional Disturbance Area	 Visual Assessment Location 	
Approved Tailings Storage Facility (Rosedale)	—— Visual Catchment-Proposed Operations	FIGURE 5.30
Existing Tailings Storage Facility	合 Mined Owned Residence	HOOKL 5.00
Proposed TSF3	😭 Agreement Residence	Proposed TSF 3 Extension
New Underground Block Cave Mining Area	合 Derelict Residence	Radial Analysis
Proposed Open Cut Areas	🛨 Private Residence	Kuulul Allulysis

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Location 2



Project Area
 Proposed Additional Disturbance Area
 Approved Tailings Storage Facility (Rosedale)
 Existing Tailings Storage Facility
 Proposed TSF3
 New Underground Block Cave Mining Area
 Proposed Open Cut Areas

File Name (A4): R10/2949_242.dgn 20130703 15.59 FIGURE 5.31

Existing and Proposed TSF 3 Radial Analysis Location 3





Legend Project Area Proposed Waste Dumps Proposed Additional Disturbance Area Visual Assessment Location Approved Tailings Storage Facility (Rosedale) Existing Tailings Storage Facility Visual Catchment-Proposed Operations FIGURE 5.32 🛨 Mined Owned Residence Proposed TSF3 ▲ Agreement Residence ᅌ Derelict Residence Proposed Open Cut Areas 會 Private Residence

File Name (A4): R10/2949_244.dgn 20130703 16.01

Proposed Waste Stockpile Radial Analysis Location 4





Legend Project Area Proposed Waste Dumps Proposed Additional Disturbance Area Visual Assessment Location Ē Approved Tailings Storage Facility (Rosedale) Existing Tailings Storage Facility Visual Catchment-Proposed Operations FIGURE 5.33 🛨 Mined Owned Residence Proposed TSF3 Proposed Waste Dump Radial Analysis Location 5 ▲ Agreement Residence ᅌ Derelict Residence Proposed Open Cut Areas 會 Private Residence

File Name (A4): R10/2949_245.dgn 20130703 16.03