

## Kangaroo Creek Dam Photo Monitoring: 30 December 2009 - 8 June 2012

### Springvale Mine's LW401

Kangaroo Creek Dam photo monitoring conducted in the period 2009 -2012 shows that the dam has contained water on **22 out of 24 monitoring occasions** (conducted monthly or bi-monthly). No or very small pools of water was observed in the dam on 17 March 2010 (Figure 3) and 19 April 2010 (Figure 4).

The Kangaroo Creek Dam overlies Angus Place Colliery's LW970 (already mined), and lies upstream from Kangaroo Creek Swamp and downstream of Kangaroo Creek Swamp South. For the locations of Kangaroo Creek Swamp and Kangaroo Creek Swamp South refer to Figure 2.2 of the Angus Place EIS and Figure 2.7 of the Springvale EIS.

Kangaroo Creek Swamp South was undermined by Springvale L LW401 in 1996. An aerial assessment of the Newnes Plateau Shrub Swamps by Blue Mountains City Council as 'Caring for Country Save Our Swamps 2010 Project'<sup>1</sup> has noted the overall condition of the Kangaroo Creek Swamp South as 'Good', which is the highest category in the assessment report. This overall category for the swamp was based on assessments of key impacts divided into seven categories as follows:

- **Pine wildings infestation** - Kangaroo Creek Swamp South was assessed to have minor impact in this category
- **Blackberry infestation** - Kangaroo Creek Swamp South was assessed to have no impact (good condition) in this category
- **Channelisation** - Kangaroo Creek Swamp South was assessed to have no impact (good condition) in this category
- **Dessication** - Kangaroo Creek Swamp South was assessed to have no impact (good condition) in this category
- **Swamp Crossing** - Kangaroo Creek Swamp South was assessed to have no impact (good condition) in this category
- **Access Track** - Kangaroo Creek Swamp South was assessed to have no impact (good condition) in this category
- **Erosion** - Kangaroo Creek Swamp South was assessed to have no impact (good condition) in this category

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<sup>1</sup> Michael Hensen, Newnes Plateau Shrub Swamp Aerial Assessment Project Report 2010, Blue Mountains City Council



Figure 1 Kangaroo Creek Dam 30 December 2009



Figure 2 Kangaroo Creek Dam 16 February 2010





Figure 3 Kangaroo Creek Dam 17 March 2010



Figure 4 Kangaroo Creek Dam 19 April 2010





Figure 5 Kangaroo Creek Dam 22 June 2010



Figure 6 Kangaroo Creek Dam 28 July 2010





Figure 7 Kangaroo Creek Dam 23 August 2010



Figure 8 Kangaroo Creek Dam 29 September 2010





Figure 9 Kangaroo Creek Dam 25 October 2010



Figure 10 Kangaroo Creek Dam 1 December 2010





Figure 11 Kangaroo Creek Dam 20 December 2010



Figure 12 Kangaroo Creek Dam 20 January 2011





Figure 13 Kangaroo Creek Dam 21 February 2011



Figure 14 Kangaroo Creek Dam 23 March 2011





Figure 15 Kangaroo Creek Dam 4 April 2011



Figure 16 Kangaroo Creek Dam 4 May 2011





Figure 17 Kangaroo Creek Dam 6 June 2011



Figure 18 Kangaroo Creek Dam 5 July 2011