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# Myrtle Creek

## Corrective Management Action Plan

June 2022 | Newsletter #20

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### Project Background

Tahmoor Coal Pty Ltd (**Tahmoor Coal**) completed coal extraction below Myrtle Creek between 2004 and 2015. Longwall mining has caused subsidence impacts that have resulted in some pools along Myrtle Creek only retaining water after heavy periods of rain.

To address this, Tahmoor Coal prepared a Myrtle Creek Corrective Action Management Plan (**Myrtle Creek CMAP**) that outlines proposed rehabilitation works, including pool mapping, surveying, characterisation and rehabilitation works. The approved schedule includes the remediation of Pools 23, 20, 14, 12a, 11 and 10 at Myrtle Creek.

Works have been developed in consultation with and approved by relevant government departments including, Department of Planning, Industry and Environment (**DPIE**) – Resources Regulator, DPIE – Planning, Department of Primary Industries (**DPI**) – Fisheries, Natural Resources Access Regulator (**NRAR**), Wollondilly Shire Council and community consultative committees.

### Myrtle Pool Rehabilitation

The remediation works consisted of drilling boreholes across the creek bed to a depth where geotechnical testing has identified the location and the extent of fracturing (characterisation phase). Fractures are then filled using an approved polyurethane injection resin (PUR). PUR has been used successfully for creek rehabilitation in Sydney Catchment Authority areas as it has minimal ecotoxicological effects and has proven highly effective to remediate subsurface fractures.

### Rehabilitated Pools

Myrtle pool 23, 18, 14, 11 and 10 remediation work (Stage 2) has been completed and are now in monitoring phase. Preliminary monitoring results are positive with the return of water in all Pools. Pool 23 has now been monitored for over 24 months following rehabilitation and has been remediated successfully with surface water levels similar to pre-mining data. Surface and groundwater monitoring are currently ongoing at all sites in Myrtle Creek to assess the effectiveness of the remediation strategy.

### Pool 12a Rehabilitation

Phase 2 remediation works are in progress at Pool 12a and consists of the construction of a 40m wide grout curtain wall, 15m in depth to remediate the fracture network. The remediation works is expected to be completed in July 2022 at Pool 12a. Following remediation, Pool 12 will be in a monitoring phase.

Works will be carried out at Pool 12a between **8:00am to 5:00pm, Monday to Friday**

### For More Information

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## Myrtle Creek CMAP Remediation Sites



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