

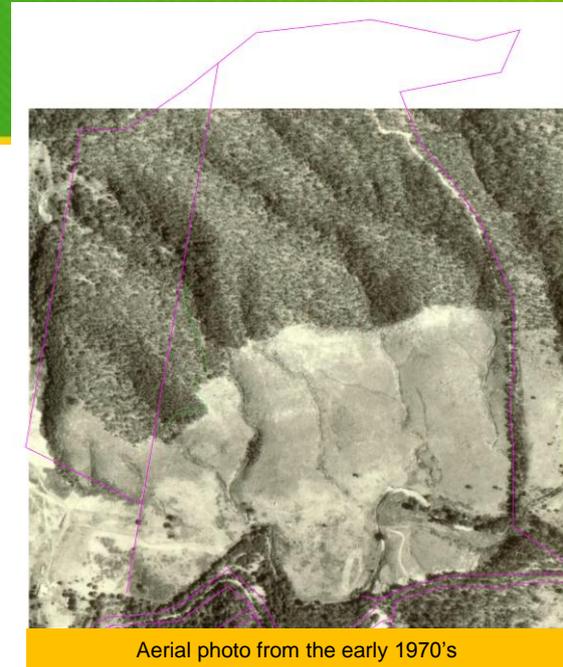
# Ormeau Quarry Community Update

October 2015

## Back to the future... Boral Quarry Rehabilitation Program

Over 45 years ago the western banks to the Pimpama Creek were cleared for primary rural purposes. With quarry operations commencing in 1981, now in the 21<sup>st</sup> century, Boral's revegetation program will see over 28,000 trees being planted on site to return it to its former glory. The works are divided into three packages: Council covenant along Pimpama Creek; DNRM covenant around Pimpama Creek; and buffer screening between quarry and nearest neighbours.

The works include weeding of existing vegetation, planting / maintenance of seedlings, and ongoing regrowth monitoring including photo monitoring and survey data. The seedlings were propagated from seeds sourced in the Ormeau area within a 10km radius.



Aerial photo from the early 1970's



Forest Restorations commenced work in September 2015 - planting of new buffer area between quarry and creek

Vegetation removed as part of the operational works is being used as mulch to support redevelopment and remediation works. We have mulched any timber felled in 2014, with the exception of fauna habitat logs which have been relocated and retained on the site for ongoing habitat of the resident fauna.

Boral has contracted Forest Restorations to undertake the rehabilitation and revegetation works associated with the current stage of the quarry upgrade works. Planting of these areas has recently commenced.





Water flow between internal stormwater basins



New stormwater basin (photo taken during testing)

## Update on Site Operational Works

The site stormwater control works is nearing completion.

This work includes:

- Flood mitigation filling (now complete)
- Basins and associated structures and equipment for stormwater runoff management
- Reinstatement of some of the existing site infrastructure (e.g. weighbridge & office)
- Remediation / revegetation of the new buffer zone to the western bank of Pimpama Creek

In the next few weeks we will be:

- Progressively demobilising contractor heavy earthmoving equipment
- Commissioning the stormwater basins and new drainage channels to the creek
- Completing internal road works near the site entrance
- Installing new site security fencing
- Undertaking weed control
- Continuing with the tree planting

## Stormwater Management

Since our last update and through the drier months of the year, the construction of the new stormwater management system has advanced significantly and is now nearing completion. The system will be commissioned prior to the onset of the next wet season.

The new stormwater management system includes:

- Three new Sediment Basins - to significantly increase water holding capacity during rainfall events
- High-efficiency pre-treatment basins
- New channels to carry treated water to our licenced discharge points
- Pumps to transfer stormwater on site

Beneficial outcomes:

- With additional water storage capacity, it allows a significantly greater amount of stormwater runoff to be retained and treated prior to discharge.
- Allows the discharge water quality to be within approved limits during rain events.
- The quarry will be self-sufficient with on-site water and won't need any town water for its operation.



The above photos show some of the works associated with the new stormwater management system.

From each retention basin, there is a constructed discharge channel that runs to the licenced discharge point at the Pimpama Creek.

Only treated stormwater that meets strict quality criteria can be released. Water that is not suitable for release can be retained on site, stored and later re-used for operational purposes (process water and dust suppression).

The channels have been engineered and the surrounding areas revegetated as part of the overall revegetation plan for the western side of the Pimpama Creek.

## Boral Landcare Partnership

### Award Winner – Community Leadership Ormeau Quarry Long-Term Community Relationship Initiatives

Boral Construction Materials was a winner of the Cement Concrete and Aggregates Australia (CCA) Environment Health and Safety Awards 2015, recognised for their twenty year partnership with Landcare - the Pimpama River Revegetation Partnership, including the Darlington Conservation House, the creation of the Boral Environmental Reserve, and their long-standing Quarry Liaison Group.

Boral accepted the award on behalf of all who have contributed to the success of this long-term community partnership. Special thanks go to Northeast Albert Landcare & Catchment Management Group, Conservation Volunteers Australia, the Ormeau community, Council & Government representatives, and last but not least the Ormeau Quarry team for all their amazing efforts over the years, and Boral Management for their support and long-term vision of community engagement.

Boral is committed to stakeholder engagement and will continue to support the Ormeau community and Landcare into the future.



From left to right: Pimpama Creek, Community Planting Days, Boral Environmental Reserve, Darlington Conservation House, Quarry Liaison Group

## Community and School Projects

### The 9th annual Ormeau Lions Fair for 2015

Boral would like to congratulate all the students who have worked very hard in preparation of the many school competitions offered during the event. Boral sponsored the Primary School Dance Competition 2<sup>nd</sup> Prize and the High Schools Battle of the Bands Competition 2<sup>nd</sup> Prize.

### Local School Projects

We have planned further local school projects in conjunction with our long-standing partnerships with Landcare and Conservation Volunteers Australia.



Works proposed are weeding and maintenance on school grounds, as well as planting of 'Richmond Birdwing Butterfly' vines for conservation purposes, this beautiful butterfly requires the vines as habitat for its survival.



Ormeau Lions Fair – 5 & 6 Sep 2015