



# Donaldson Coal Abel Mine CCC Meeting

9 December 2013

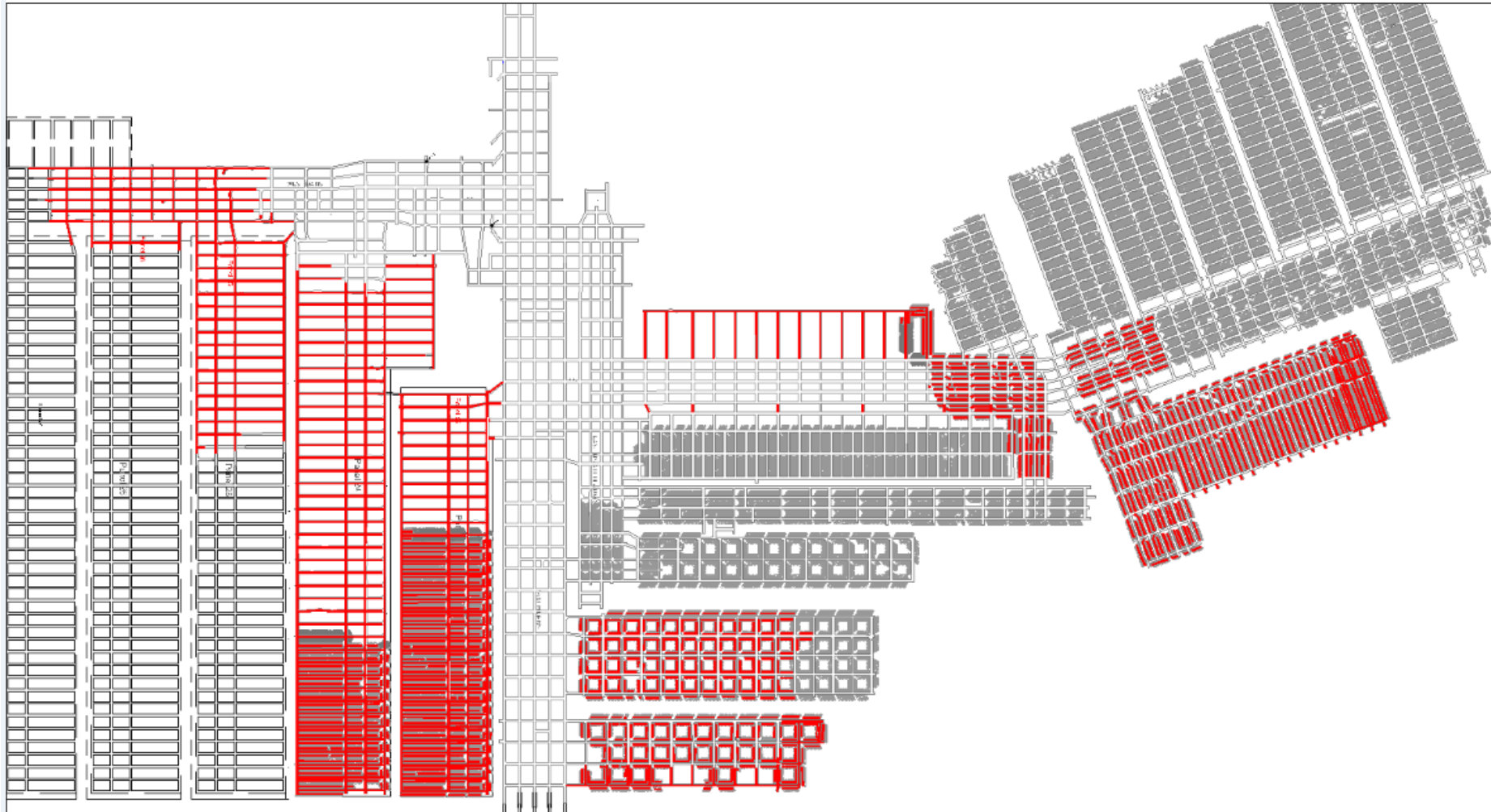
30 January 2014

# Abel Mine YTD Production (to end Nov 2013)

	Actual	Budget	Variance
Development (m)	37,698	42,000	-4,302
Development (t)	758,207	898,820	-140,613
Extraction (t)	1,487,224	1,215,648	271,576
<b>Total UG ROM (t)</b>	<b>2,245,431</b>	<b>2,114,468</b>	<b>130,963</b>



# Abel Mine Development – to end of Nov 2013



Metres Advance for  
to Date 2013  
**37,698m**



ABEL MINE  
Metres Advance  
to Date 2013

SCALE : N.T.S.  
DRAWN : M. Wright

DWG No. : Mtrymetres  
REVISION : 1



# Mine layout plan on aerial



ABEL MINE

SCALE	: 1:1,000	DWG No.	: Abel.dwg
DRAWN	: M. Wright	REVISION	
CHECKED			
DATE	: 6th December 2013		

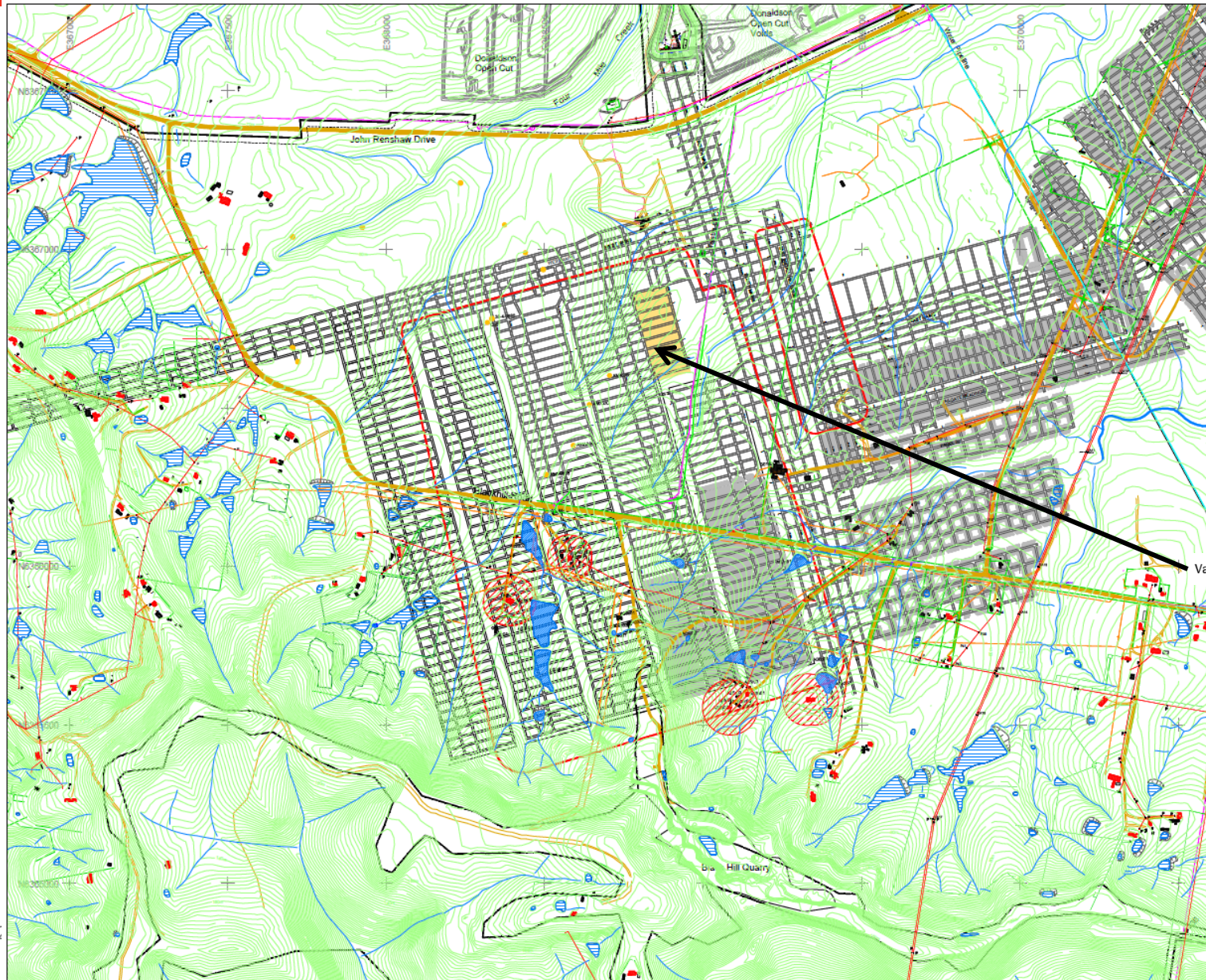
**DAL**

# Environmental Update

- No Community Complaints
- No Environmental Incidents reported.
- Annual Environmental Management Report
- Annual Flora Fauna monitoring being undertaken
- Annual Dam monitoring being undertaken.



# SMP Update




**Legend**

- SMP Application Area 3
- Colliery Holding Boundary
- Existing Mine Workings
- Proposed Mine Workings
- Creek (Schedule 2)
- Ephemeral Creek
- Building / Other Structures
- Principal Residence
- Road / Track
- Surface Contour
- Power Line
- Power Pole
- File City Code
- File City Code
- Proposed Rehabilitation
- Telstra Cable
- Allocated Site
- Subsidence Control Zone
- Hunter Water Pipeline
- Survey Station
- Farm Dam
- Cultural Place
- Spring
- Fence
- Culverts
- Ben Number (refer to MSEC & SMP reports)
- Variation to Original Application Area

Variation to Original Application Area

30 January 2013



Part of the Yancoal Australia Group

**ABEL MINE**  
SMP APPLICATION - AREA 3  
PLAN 2 - NATURAL & MAN MADE FEATURES

SCALE : 1:4,000	DWG No. : abel1042a.dwg
DRAWN : G. Lane	REVISION : A (2/11/12)
CHECKED : T. Sutherland	
DATE : 8 March 2013	



# SMP Update

- Ausgrid monthly reports complete
- Notification provided to Department of Planning regarding Blackhill Land (Effective subsidence complete)
- Subsidence remediation work relating to cracking on 2 properties
- Relocation of the Telstra Optical Fibre Cable completed
- Telstra Optical Fibre Management Plan submitted and approved by DTIRIS
- Blackhill Road Management Plan submitted and approved by DTIRIS
- Notification to disturb survey marks sent to Department of Lands
- TransGrid notification (Effective subsidence complete)
- Notification to remove Tilt Meters (TransGrid Towers) sent to DTIRIS
- Dam survey for DMMS complete



# SMP Update

- SMP Area 3 variation submitted to DTIRIS
- Blackhill road Dilapidation report sent to CCC and MSB
- Ausgrid Power Pole surveys complete
- Meetings with residents post mining to review PSMP process and discuss impacts
- Panel 23 and 24 subsidence monitoring approval received
- Public Safety Management Plan approved (Panels 23 – 25)
- Abel SMP Status Report submitted to DTIRIS to cover 4 month period up to 30 Sep 2013
- Daily subsidence inspections complete as per the Public Safety Management Plan for SMP Area 3



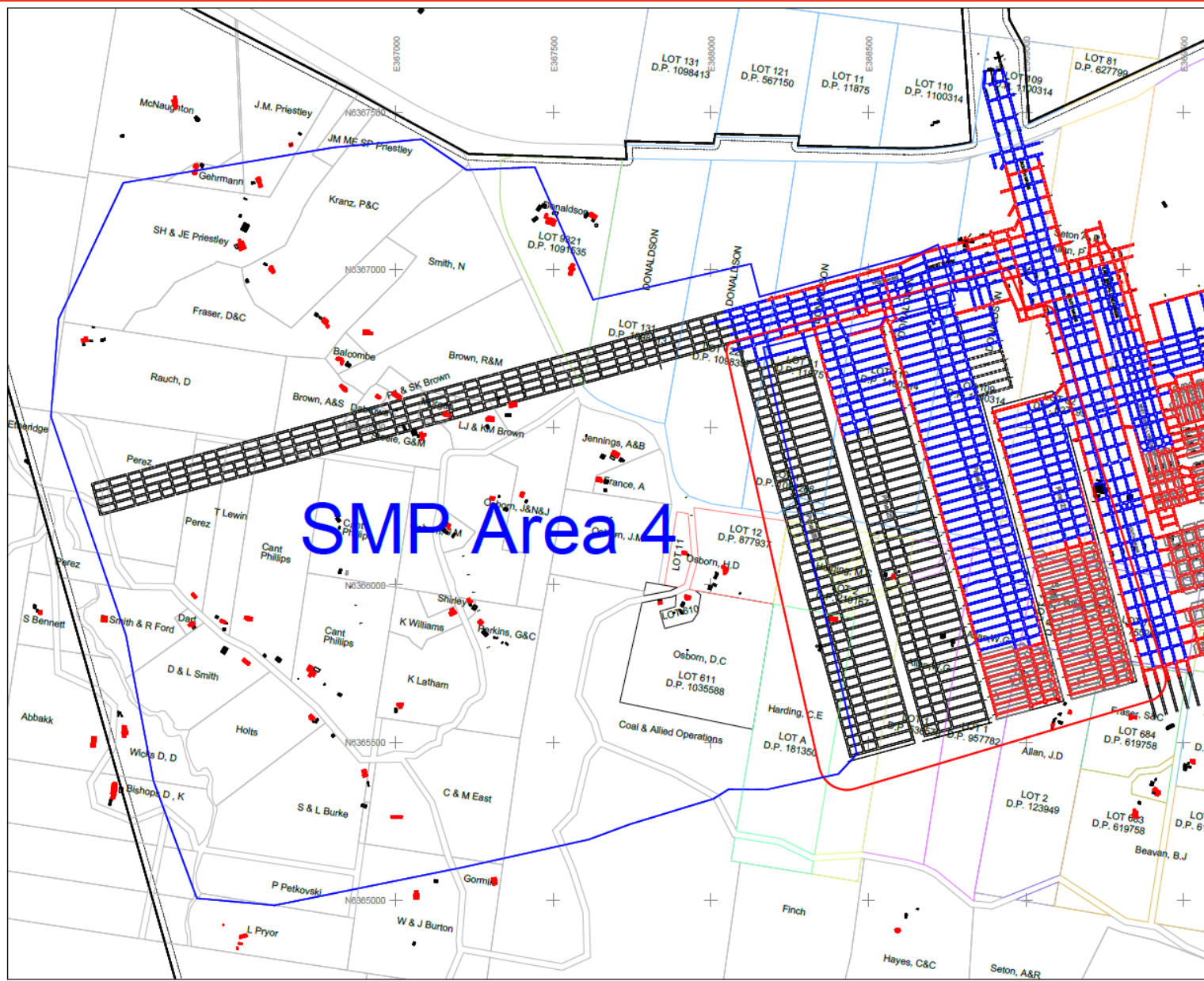
# Blackhill Road Under Mining Update

- July 2013 – Risk Assessment conducted with Cessnock City Council, Mine Subsidence Board and local resident
- August 2013 – Management Plan developed and submitted to DTIRIS
- September 2013 – Management Plan approved by DTIRIS
- 25th October 2013 – 24hr Monitoring commenced on Blackhill Road
- 9th November 2013 – First crack >15mm requiring repairs
- Cracking typically 50 – 80mm
- Cracking requiring repairs confined to a 10m section of road.
- Works to be complete week ending 13th December 2013
- Next impact on Blackhill road will be early January 2014 from Panel 24



30 January 2014

# SMP Area 4



**Legend**

- Clause 55 Application Area
- Mining Lease Boundary
- Existing Mine Workings
- Proposed Mine Workings

Lot No.	Owner	Area (sqm)	Value
LOT 11	Osborn, H.D.	10,000	\$1,000,000
LOT 12	Osborn, H.D.	10,000	\$1,000,000
LOT 13	Osborn, H.D.	10,000	\$1,000,000
LOT 14	Osborn, H.D.	10,000	\$1,000,000
LOT 15	Osborn, H.D.	10,000	\$1,000,000

**DONALDSON COAL**  
Part of the Yancoal Australia Group

**ABEL MINE**  
SMP APPLICATION - AREA 4  
PLAN 5 - MINING TITLES & LAND OWNERSHIP

SCALE : 1:4000 DWG No. : sm1109.dwg  
 DRAWN : M. Waite REVISION :  
 CHECKED : T. Substant DATE : 6th November 2013





# SMP Area 4 Update

- Panel 27 to commence extraction in March 2015
- Letter drop to occur outlining SMP process as a lead up to SMP stakeholder day.
- Ground truthing of surface areas to be conducted Dec/ Jan 2014
- Finalise SMP Area 4 Mine Layout Dec 2013
- Draft Subsidence predictions Jan 2014
- Ground water, surface water studies January 2014
- SMP Area 4 Stakeholder day Feb 2014
- SMP Risk Assessment March 2014
- Prepare SMP and Extraction Plan Application April, May, June 2014
- SMP and Extraction Plan Application to submit to Department of Planning/DTIRIS July 2014

# Abel Upgrade Modification Update

## Key dates and other information

Job Status	<b>Determination</b> A determination has been made on the project
Assessment Type	Part3AMod
Project Type	Mining, Petroleum & Extraction > Mining > Coal > Newcastle
Application Number	05_0136 MOD3
DGRS Issued:	21/02/2012
Exhibition Start	26/02/2013
Exhibition End	19/03/2013
Determined	04/12/2013
Decision	Approved with Conditions

## Location details

Street	
City	Donaldson
State	NSW
Post Code	
Country	Australia
Local Governments	Cessnock City Council Maitland City Council Newcastle City Council

Abel Modification  
approved 4 December  
2013

For further information, please contact the planner, Paul Freeman on 02 9228 6587.



# Donaldson Coal Conservation Trust (DCT)

- Trustees are:
  - Tony Sutherland (Chairman & Donaldson Appointee)
  - Phil Brown (Donaldson Appointee)
  - Colin East (Community Appointee)
  - Terry Lewin (Community Appointee)
  - Dr Mark Burns (Environmental Appointee)
  - Prof Michael Mahony (Environmental Appointee)

# Projects

- Supporting the Tom Farrell Institute doing projects for the DCT including
  - The Richmond Vale rail trail
  - Donaldson Conservation Trust Area Land and Landuse
- Sponsored the recent Biodiversity Day
- Undertook weed eradication in Pambalong Wetlands.
- a project proposal for WetlandCare Australia for further weed eradication works upstream of the Pambalong Nature Reserve.



## Pambalong Nature Reserve Support Program Project Report June 2013



Conservation Volunteers is a not-for-profit, community based conservation organisation which was established in 1982 and is recognised as Australia and New Zealand's leading practical conservation group. We manage community involvement in approximately 2,000 conservation projects and 100,000 volunteer days across Australia and New Zealand each year.

### **Our Vision**

We believe in a healthy and sustainable environment, and for everyone to be involved in managing and protecting that environment.

### **Our Mission**

To attract and manage volunteers to participate in projects that protect or enhance our environment and heritage.

# Background

Pambalong Nature Reserve is a freshwater wetland at the western edge of Hexham Swamp and The Hunter Wetlands National Park and is an integral part of a chain of wetland reserves that includes the internationally significant Ramsar-listed Hunter Estuary Wetlands.

Pambalong Nature Reserve is home to 22 significant bird species, 1 species of migratory shorebirds which is protected by international treaties, 5 threatened species and 2 State listed Endangered Ecological Communities.

In October 2012, Donaldson Coal Conservation Trust forged a partnership with Conservation Volunteers, to provide support to the NPWS managed Pambalong Nature Reserve to improve the health of the wetland(s).

The current Plan of Management for Pambalong Nature Reserve has identified the management of weeds species such as Water Hyacinth and Alligator Weed as a high priority in protecting conservation values in the reserve.

The Pambalong Nature Reserve Support Program aims to support the delivery of the NPWS Plan of Management in its efforts to reduce invasive weed species, and revegetate cleared and degraded areas in order to protect and extend suitable habitat for waders and waterbirds.

# Project Objectives

To address environmental issues which require an immediate injection of support through managed teams of volunteers and skilled staff including the Conservation Volunteers Indigenous Land Management Team and engage the local community in a wetland program.





# Project Outcomes

The focus, thus far, has been on the South and Central Wetlands, with the professional team undertaking primary and secondary weed control to assist in the eradication of Water Hyacinth (and smaller amounts of Alligator Weed).

The Central Wetland has both Alligator Weed and Water Hyacinth; the team utilised both high pressure hose and backpack spray works, depending on the situation, to control both these weeds and have achieved significant reductions. The Southern Wetland has only a Water Hyacinth issue and complementary work is also being carried out on this weed upstream.

The team has undertaken predominately spray work due to the large extent of the weed mass but have also completed some manual removal in the more sensitive parts of the wetland. By the end of the current project the team had moved onto manual removal and have swept the wetland clean of mature Water Hyacinth. The project has shown significant biodiversity outcomes for the wetland and improved habitat for water birds.

The local community were engaged through a multi-agency Pambalong Nature Reserve Community Field Day on Sunday 5<sup>th</sup> May 2013. The field day was lauded a success with 54 people in attendance who planted 630 trees, constructed 'wallaby guards' of chicken mesh and took part in informative tours of Pamablong and adjoining properties. Tour participants heard from experts and saw the impacts of Water Hyacinth and most importantly how they, as good neighbours, may assist through works on their properties and the resources available.



BEFORE



AFTER



## Statistics:

Since October 2012 the project has delivered significant on-ground outcomes and community engagement:

- Primary and secondary weed control over a 20ha area, comprising both South and Central Wetlands, the Swamp Forest and channels in between the two main water bodies
- 1440 Trees have been planted
- 74 staff days and 136 volunteer days contribution to the project
- Aboriginal Employment outcomes
- Local School Student engagement- Minmi School Tree Planting Day
- The inaugural Pambalong Community Field Day with 54 participants, 2 Government Agencies and 3 community organisations

## Future Focus:

It is crucial to build on the outcomes achieved thus far to ensure that gains made, are not lost; on this most noxious weed, which if left unchecked will rapidly re-infest.

Water hyacinth has a seed viability of up to 30 years and Alligator weed needs to be treated a number of times to be effective.

Ongoing maintenance activities and additional spray work need to be scheduled in 2013 utilising the professional and community volunteer teams who could undertake important hand removal of the weeds.

Jesmond Lions Club have committed their support to the project also and an additional tree planting day will be scheduled.

The project should be expanded to include North Wetland whilst monitoring and maintaining the work completed on South and Main Wetland, to restore this important ecosystem to a healthy state.

Photographs below indicate the need for an ongoing works program due to the impact of climatic conditions on this dynamic environment .



# Community Support Program November 2013

Organisation	Program description
<b>Kurri Kurri Community Centre</b>	Young people and bullying/Forum for local high schools students to learn about programs and ideas to tackle bullying in their schools then work with the local youth services to implement programs.
<b>Hunter Valley Men's Crisis Support Inc</b>	Continue to make available temporary housing in bedsitters.
<b>Samaritans Foundation</b>	Grey Matters/host a forum and establish a working group focussed on increasing collaboration between health and community services when working with elderly or isolated tenants.
<b>Maitland Lions Club</b>	To purchase a new BBQ for the trailer to be able to widen the scope of activities and generate more income by being mobile.
<b>Technical Aid to the Disabled [TADS]</b>	Riding out/to provide Freedom wheels modified bikes for kids with a disability to enable them to participate in everyday activities with family and friends.
<b>Alzheimer's Aust NSW</b>	Men's Shed in the lower Hunter/Every bloke needs a shed program.
<b>Cessnock Multi Purpose Children Centre</b>	Connect electricity to the children's art studio to provide lighting and access to powered equipment.
<b>Bellbird Pre-School</b>	Install playground equipment to promote physical activity and decrease the risk of childhood obesity.
<b>The Hunter Signing Choir</b>	Assist with the cost of Formal event Gowns a PA system and Banners for performances at formal events.
<b>Rotary Club Maitland</b>	Provide education to children within the Greenhill's region about healthy lifestyle and drug awareness to be able to make smart choices.
<b>Cessnock Rural Fire Brigade Welfare Catering</b>	Start a fit out of the welfare store for safe hygienic storage areas and food preparation for the volunteers.
<b>Maitland- Tenambit BMX</b>	Help to install a new kitchen in a new building to provide Healthy meals to club members.

# Community Welfare Program

- Welfare Trust has closed.
- Projects supported:
  - Blackhill Cemetery refurbishment
  - Purchase church hall
  - Blackhill School
  - Benwerrin Rural Fire Service additions/alterations



