

HVO CCC Meeting

1:00 PM Wednesday 21 November 2018

HVO



**HUNTER VALLEY
OPERATIONS**

Acknowledgement of Traditional Owners

- We acknowledge the traditional owners of the land where we meet today and pay respect to Elders, past, present and future.

Agenda

1. Welcome: Housekeeping, Emergency Procedures
2. Apologies
3. Declaration of pecuniary interests/conflicts of interest
4. Correspondence
5. Confirmation of the previous meeting's minutes
6. Matters arising from previous meeting
7. Company reports – Update on Hunter Valley Operations
 1. – Feral pig update
8. Upper Hunter Mining Dialogue Presentation
9. Community Representative Feedback
10. General business
11. Next meeting

Apologies

- Apologies for meeting
 - Michael Wellard
 - Hollee Jenkins
 - Dr Neville Hodgkinson

HVO

- Drew Williams
- Bruce Gould

Housekeeping and emergency procedures

- Hunter Valley Operations
- Bathrooms
- Emergency exit and muster area
- Light afternoon tea will be provided at the end of the meeting

Declaration of pecuniary interests / conflicts of interest

PECUNIARY AND OTHER INTERESTS

Members should declare any pecuniary or other interest which may be considered to prevent them undertaking their role impartially and in the best interests of the local and broader communities. Examples include holding a private contract with the company or holding voluntary acquisition rights.

The guidelines establish no requirement in respect of personal interests other than declaration. However, the committee may determine that a personal interest is sufficient that a member should withdraw from discussion on a particular issue.

Correspondence

November 2018 CCC			
8/10/2018	DW	Email requesting comments on August CCC meeting minutes, Neville's documents, agenda items for next meeting and date of next HVO CCC of the 21 November	Request for comments on August HVO CCC meeting and agenda items for November meeting
22/10/2018	AS	Pass the Hat - Drought Relief Event information	Information only
24/10/2018	DW	CCC business papers and invitation sent out	RSVP attendance
19/11/2018	DW	CCC Meeting Reminder	RSVP attendance
19/11/2018	AS	Bush Dinner Dance Information	Information only

Confirmation of previous minutes

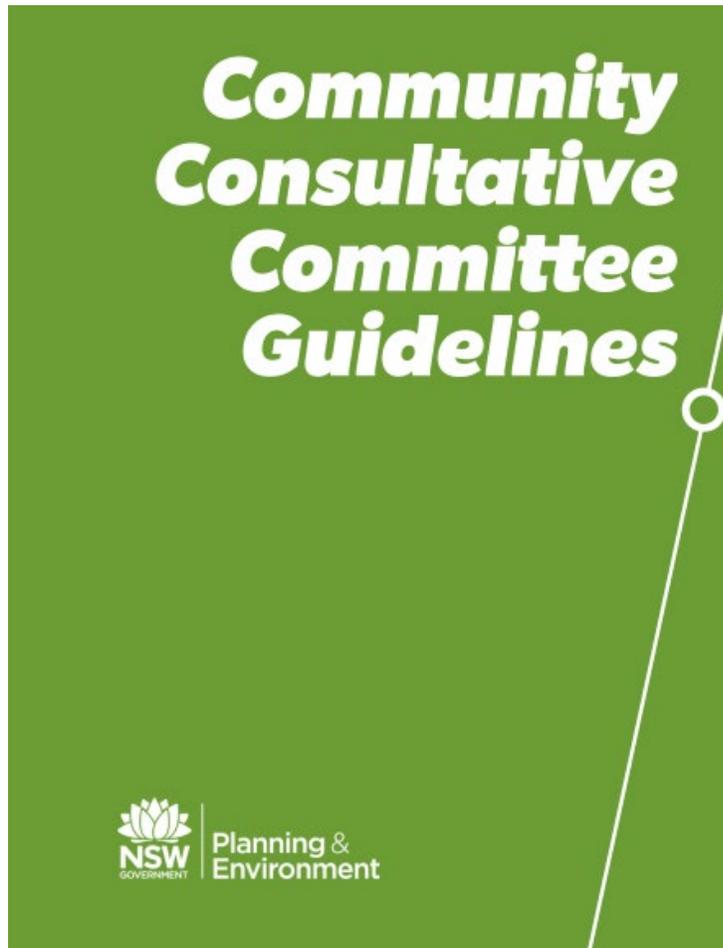
- Minutes from previous meeting (August 2018) have been circulated for comment and are awaiting finalisation, requiring confirmation at this meeting (21 November 2018).
- The draft minutes are available on our public website, In-site. The minutes can be accessed on-line via:
<https://insite.hvo.com.au>

Actions arising from previous CCC meetings

CG

1. All members to be provided with the Department's Guidelines for CCC's Code of Conduct for acknowledgement and sign off at the next Meeting 
2. HVO to provide an update on Water Carts and Blasting practices at the next meeting. 

Action 1: Department's Guidelines for CCC's Code of Conduct



- Drew Williams Circulated this document with the meeting minutes on 15/10/2018
- Signoff by members at this meeting required (see next slide for more information)

Action 1 (cont.): Roles, committee meetings and expectations

- Role of Independent Chairperson - oversees CCC process and reports to the Department
- Role of CCC - performs an advisory and consultative role
- Role of committee members
 - Adhere to code of conduct
 - Attend meetings
 - If unable to attend, notify independent chair/HVO, so an alternate can be selected
 - Independent Chair may request replacement of any member who fails to attend three consecutive committee meetings
 - Promote information sharing between HVO, local community, council and stakeholder groups
 - Individual committee members may not make comments to the media on behalf of the committee
- Role of HVO – provide updates on operation/projects, organize meetings and distribution of minutes and business papers
- Meetings – typically, the committee determine frequency of meetings

- New large water carts
- Polymer trial in West Pit
- Smaller blast sizes



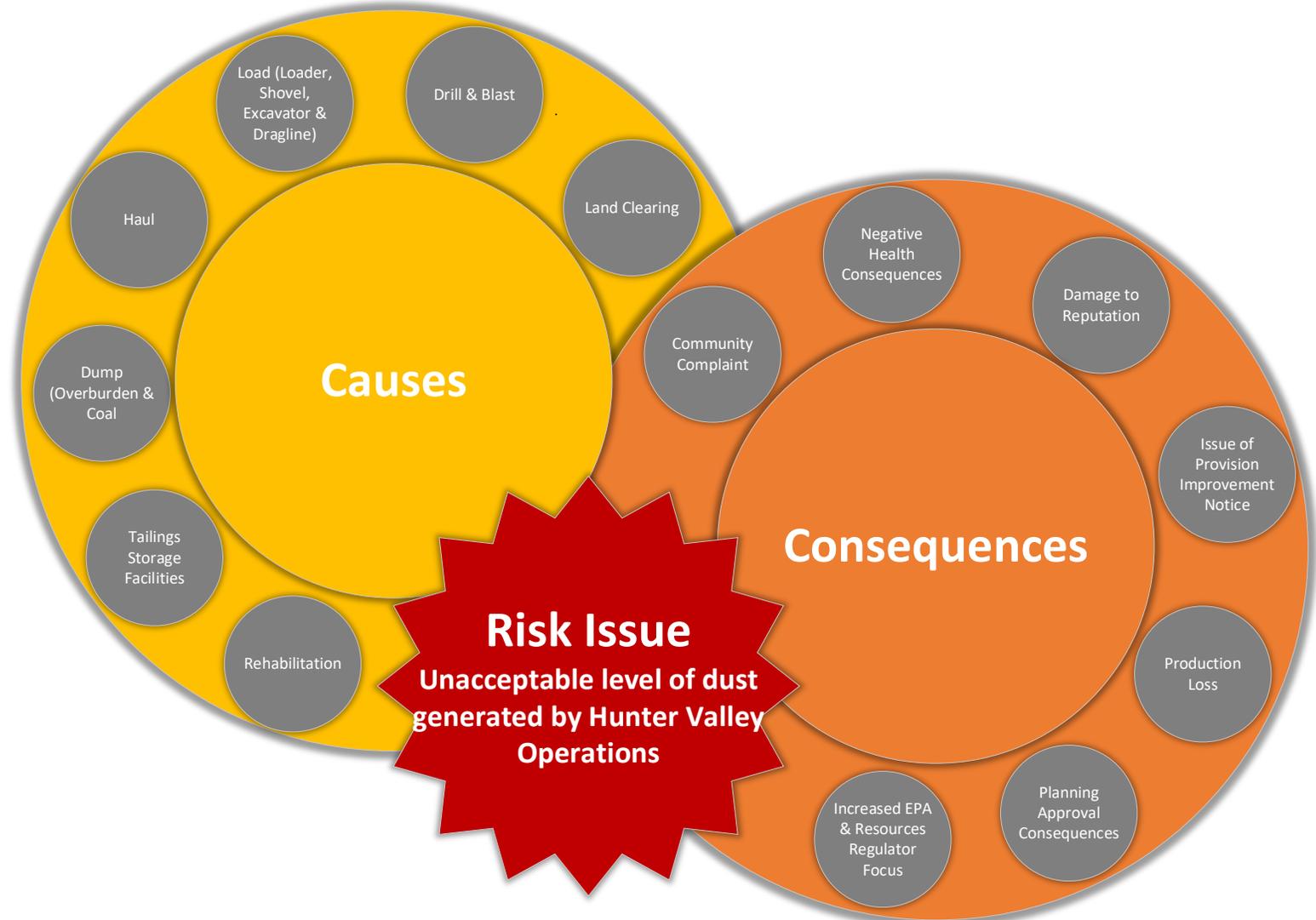


Dust Management Review Project

**HUNTER VALLEY
OPERATIONS**

Project Context

- There are several causes of dust generation which all contribute to the overall level of dust generated at HVO.
- This presentation identifies key causes of dust generation and proposes initiatives intended to further improve dust management.



Projects

GENERAL

- Dust management TARP. [IN PROGRESS](#)
 - Review TARP for the management of dust. TARP intended to be used by Dispatch and Supervisors.

LAND CLEARING

Projects

DRILL & BLAST

- Drill dust suppression measures.
 - Review drilling dust management practices. **IN PROGRESS**
 - Review drill dust management setup (e.g. dust curtains). **IN PROGRESS**
- Blast design planning and firing process.
 - Review blast size and the potential impacts on dust generation. **NEAR COMPLETE WITH RECOMMENDATIONS IN PLACE**
 - Review pre-blast dust risk assessment process. **COMPLETE**
 - Review control measures for wind conditions (wind direction and speed). **COMPLETE**
- Blast bench.
 - Review blast bench watering practices. **COMPLETE**

LOAD

- Loading methods.
 - Review dragline, shovel, excavator and loader loading practices and methods for minimising dust. **IN PROGRESS**
- Loading areas.
 - Review loading bench irrigation opportunities. **IN PROGRESS**

Projects

HAUL

- Water fill point efficiency.
 - Review location of water fill points to minimise travel time / distance. **IN PROGRESS**
 - Review water flow at fill points to minimise fill time. **IN PROGRESS**
 - Review fill point auto shut off features for efficiency gains and minimise waste. **IN PROGRESS**
 - Review water fill point truck size capacity with the plan of future proofing. **COMPLETE**
- Water cart setup.
 - Review water cart size / capacity for suitability. **COMPLETE**
 - Review spray system so that sprays are fully utilised. **COMPLETE**
- Road watering.
 - Review road watering practices (e.g. spot spraying vs strip spraying) for efficiency gains. **IN PROGRESS**
 - Consider water additives (e.g. RST). **COMPLETE**
- Road construction.
 - Review road construction methods and materials used for suitability. **COMPLETE**
 - Review road network and look for opportunities to minimise network distance. **COMPLETE**

DUMP

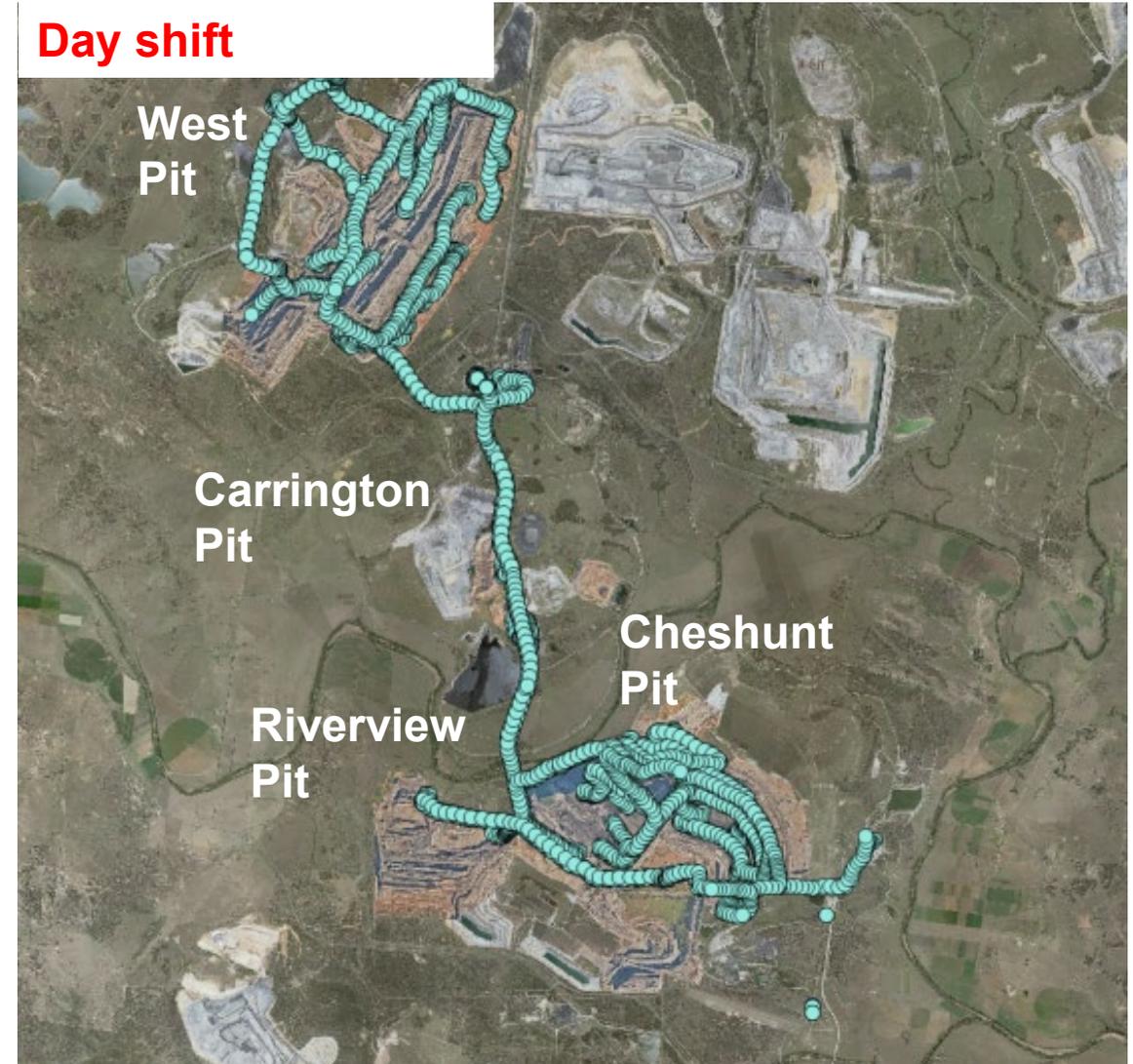
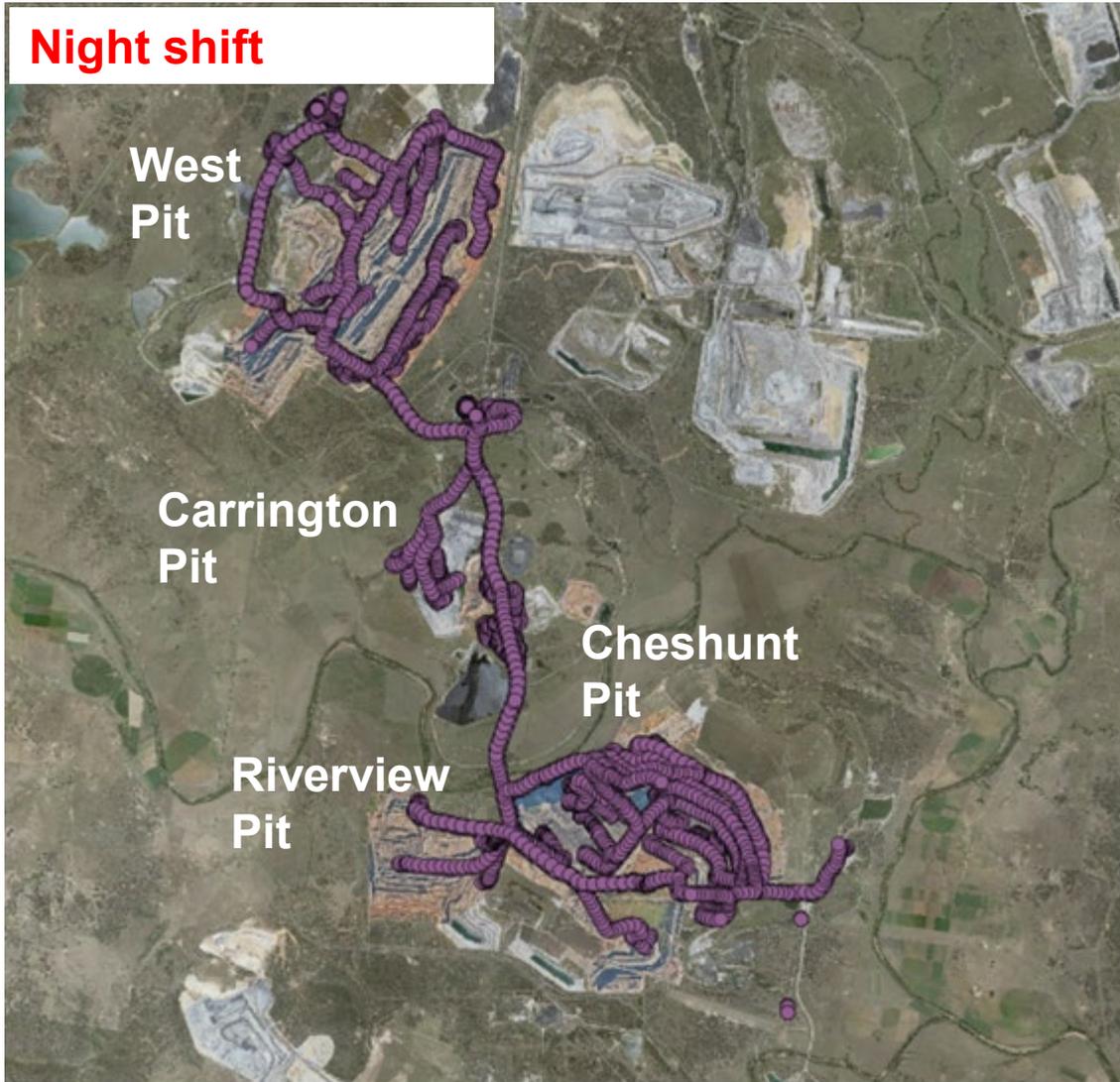
- ROM stockpiles.
 - Review potential benefits of ROM stockpile irrigator. **IN PROGRESS**
 - Review rehandle practices and identify opportunities to minimise. **IN PROGRESS**
- ROM bin.
 - Review bin spray effectiveness and confirm it is working as intended. **NOT STARTED**
 - Review potential benefit of ROM bin hood. **NOT STARTED**

LAND CLEARING

Clearing timeframes. **NOT STARTED**

Review clearing windows between when land is cleared and when mining operations commence.

Dust management - GPS tracer – watercart 24 hour period



Company update



Safety

Injury Rates (YTD October)

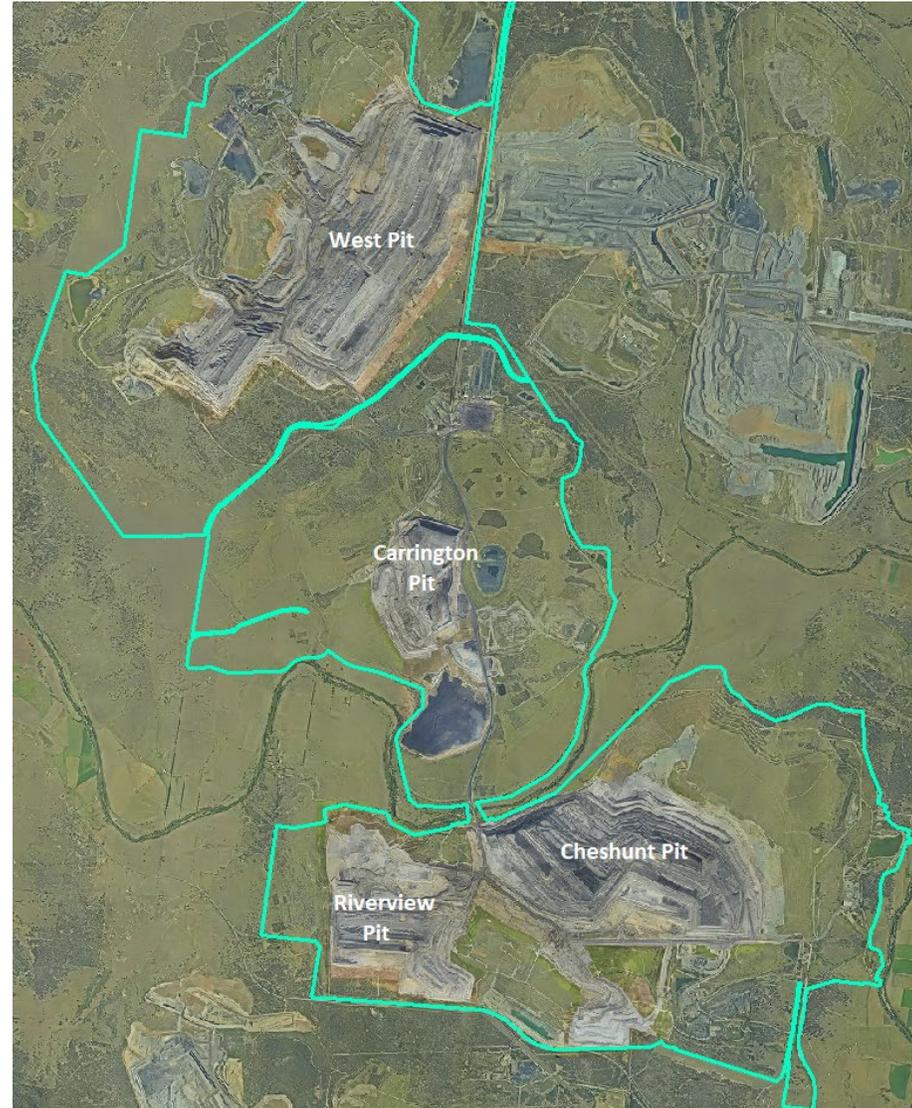
Total Recordable Injury Frequency Rate: 7.47 (target 5.99)

Lost Time Injury Frequency Rate: 9.60 (target 2.16)

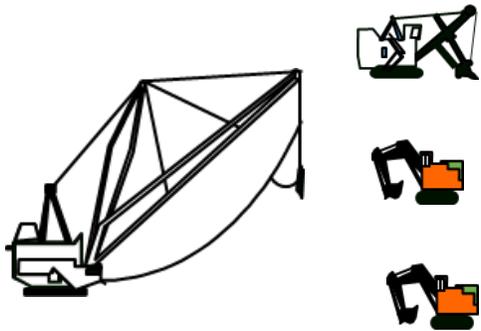
October 2018

After filling the Drill with water the operator attempted to throw the water hose towards the Drill to store the hose. Operator has pulled whilst twisted resulting in torso strain. (Restricted Work Injury)

Mining Operations

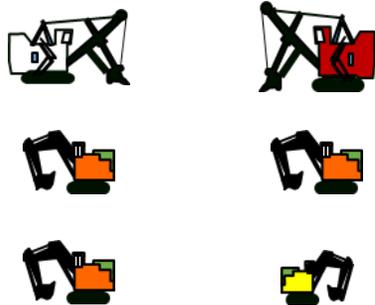


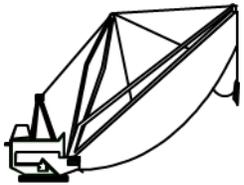
West Pit



Carrington







Truck Sound Attenuation

- **66** trucks attenuated to date 2 Nov 18
- **2** To be completed by end of year
- **40** trucks scheduled for 2019 (28 of these already have partial attenuation)



Environment

AS



Newdell Firewater Tank Overflow - Update

- NSW EPA concluded their investigation
- HVO were issued two fines totaling \$30 k and 2 official cautions

1. Issued HVO with ONE Penalty Notice for the alleged Section 120(1) offence (Penalty Notice Number 3173526483);

2. Issued HVO with ONE Penalty Notice for the alleged Section 64(1) offence (condition O1.1 a) (Penalty Notice Number 3173526492);

3. Issued HVO with ONE Official Caution for the alleged Section 64(1) offence (condition O2.1b); and

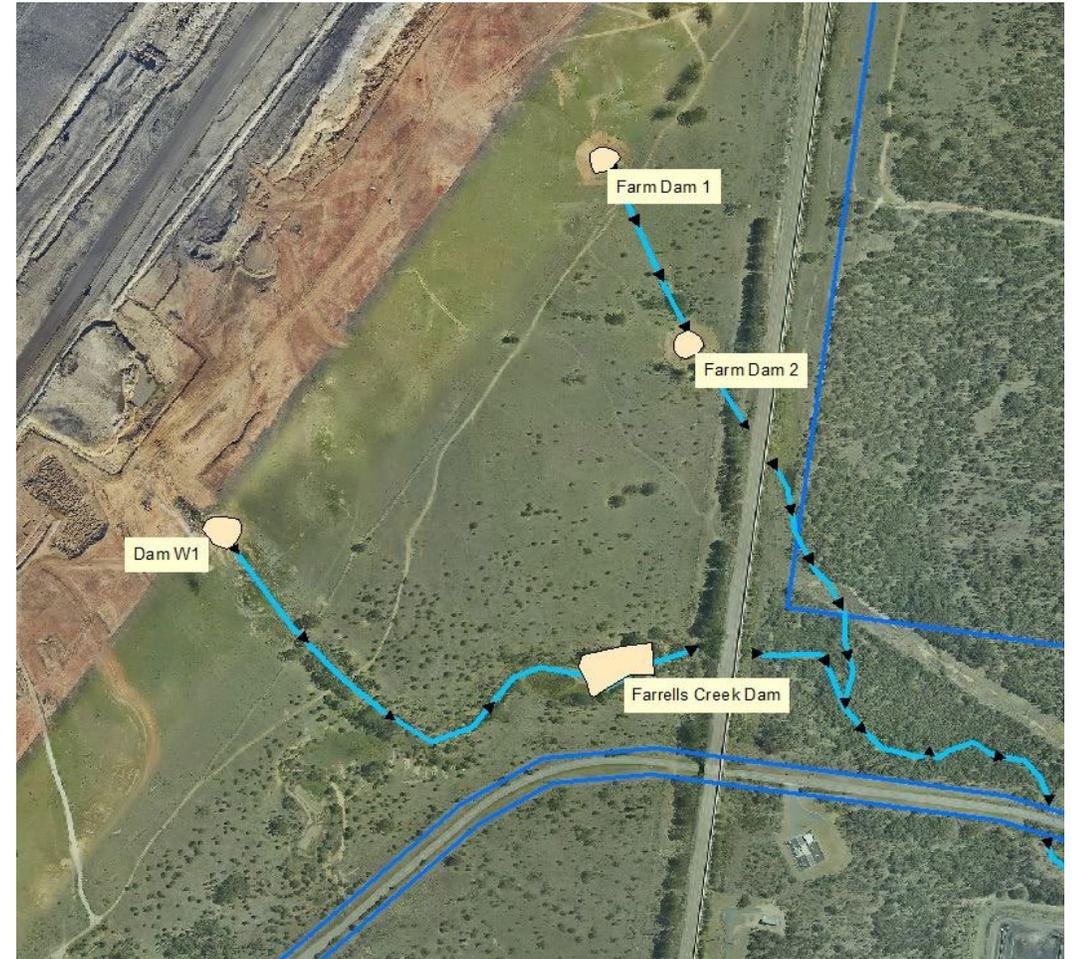
4. Issued HVO with ONE Official Caution for the alleged Section 64(1) offence (condition E2.1).

West Pit – Turbid Water Discharge 4 Oct 2018

Dam overtopped after receiving 75mm of rainfall (70 mm in 6 hours). Water containing sediment flowed into Farrell's Creek.

Immediate actions:

1. Triggered PIRMP.
2. Water sampling undertaken.
3. Commenced pumping to lower dams
3. Constructed temporary drainage diversions to reduce the area of disturbed catchment reporting to the dams,

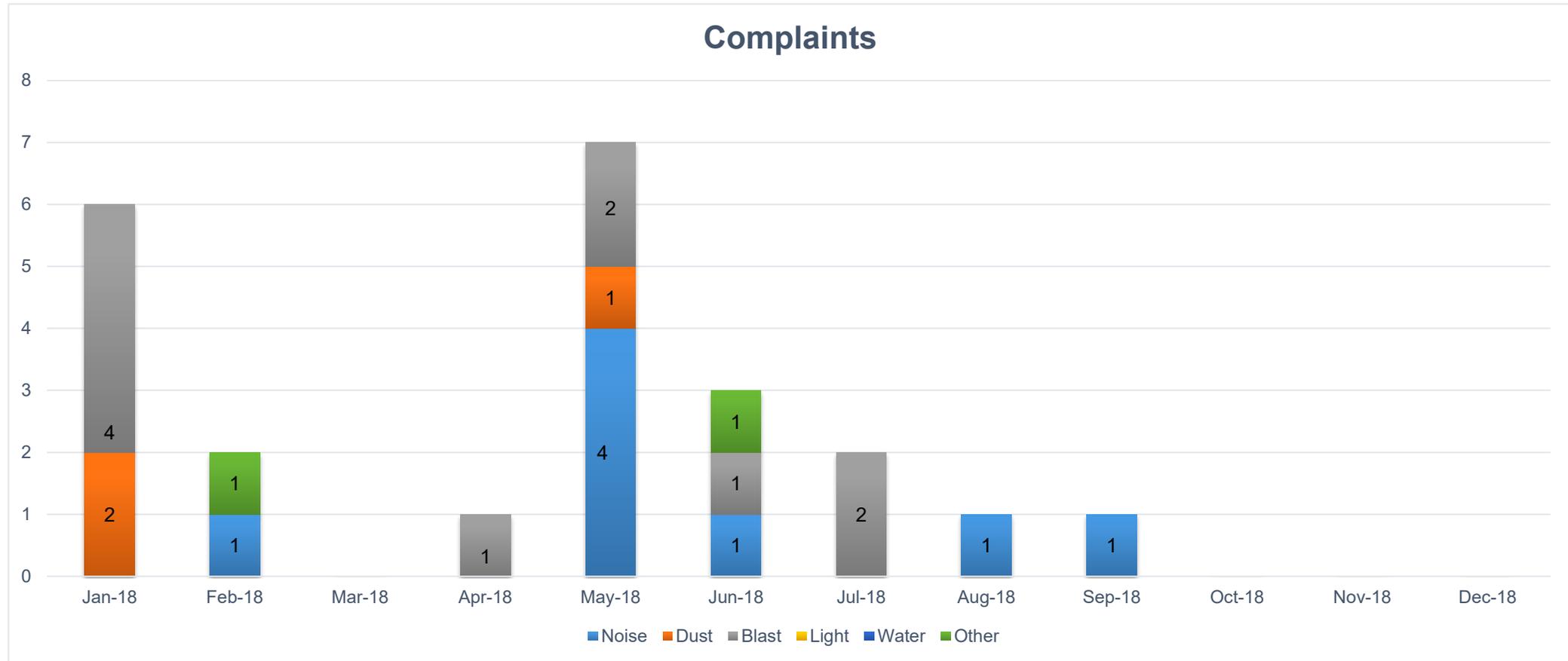


West Pit – Turbid Water Discharge (cont.)

- Sampling indicated no change to Hunter River quality, water was not saline.
- Rainfall exceeded design capacity of the dams and drains installed due to volume and intensity
- Water structures in the area have been bolstered
- Reported externally to EPA, DPE and Resources Regulator

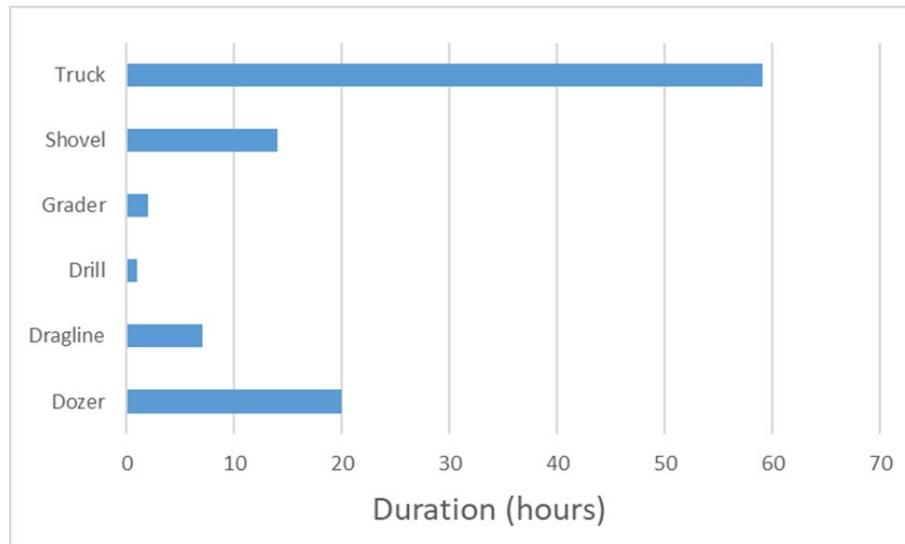
Complaints (Oct 2018)

- 23 Complaints in 2018 (YTD)



6th November Dust complaints

- 2 dust complaints from Maison Dieu area
- Times: 14:40 and 17:02
- It was a regionally dusty day
- Average wind direction: 261.7 degrees (NW)
- Average wind speed (14:00 – 16:00): 9.3 m/s
- 103 hours of equipment downtime for dust



6th November Dust Complaints

- Maison Dieu TEOM
 - 24hr Average: 67.9ug/m³
 - Dust coming onto site from upwind: 44.4ug/m³
 - HVO contribution to the regional dust: 23.5ug/m³ or 34.6%

- Knodlers Lane TEOM
 - 24hr Average: 67.3ug/m³
 - Dust coming onto site from upwind: 44.4ug/m³
 - HVO contribution to the regional dust: 22.9ug/m³ or 34.0%

6th November Water Cart Trace

Dayshift



Night Shift

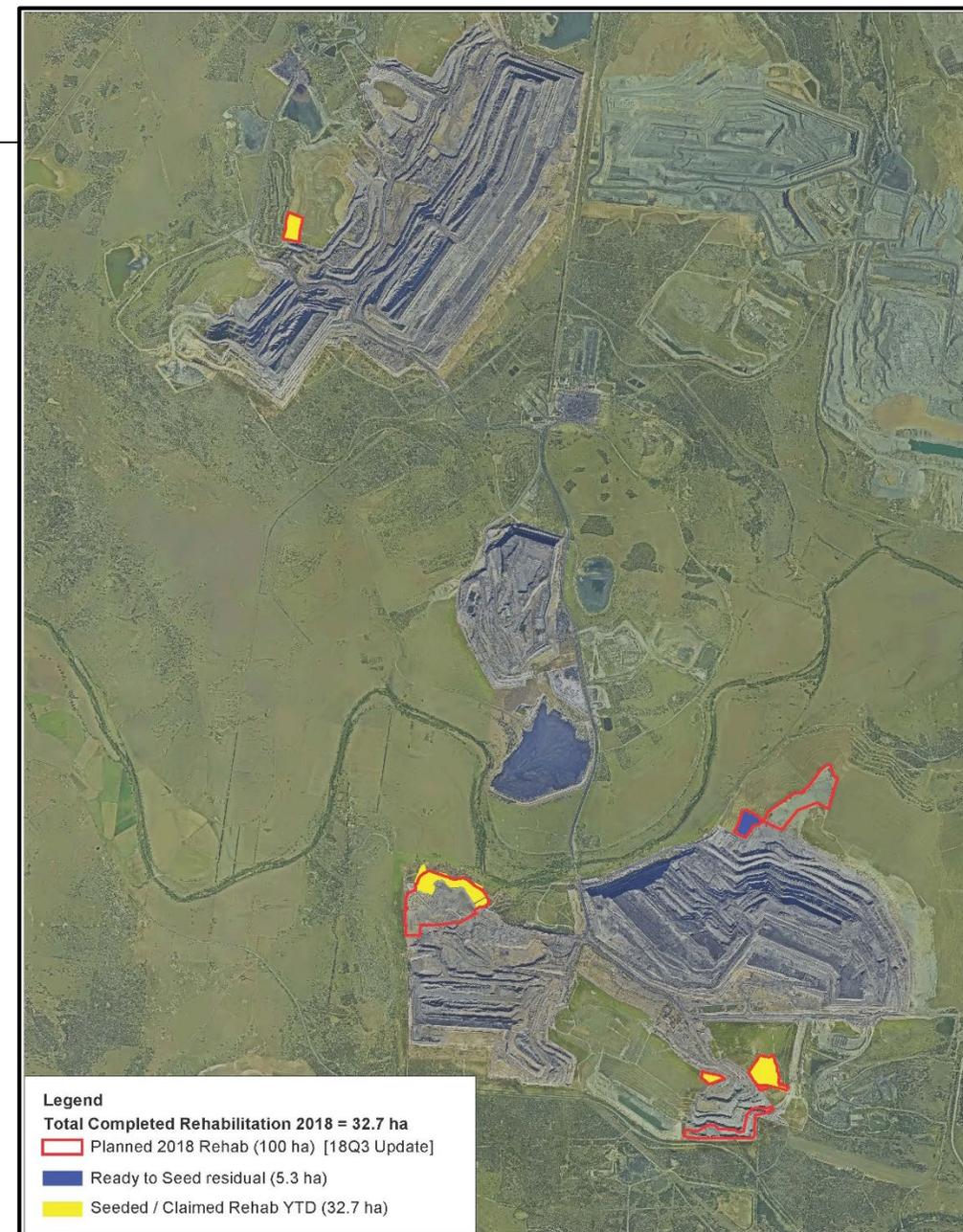


HVO Rehabilitation

Planned 2018 rehabilitation – 100 ha

Year to date – end September 2018:

- Released – 136.6 ha
- Shaped – 92.9 ha
- Topsoiled – 60.0 ha
- Ready to Seed – 73.7 ha
- **Seeded – 60.6 ha**



EPA suspension on use of Mixed Waste Compost

- Suspended on mining areas from 25 October 2018

EPA media release excerpts:

- “The research found there were limited agricultural benefits from the application of mixed waste organic material at the regulated maximum levels of application, but there were potential risks to the environment from the presence of some contaminants, such as small pieces of plastic and glass, as well as concerns about soil quality degradation.
- “Based on a review of the findings of this health risk assessment the use of mixed waste organic material on agricultural land is unlikely to present any health risk to the general public.”

EPA suspension on use of Mixed Waste Compost

- HVO is assisting in the EPA's assessment of compost use in rehabilitated areas
- Testing occurs in areas where compost is applied.
- Our observation is that compost is an effective soil improver, providing physical and nutritional benefits to rehabilitation.



Program of activities 2018:

- 1080 baiting program, targeting wild dogs and foxes (incl. ejector baiting trial) (summer, autumn)
 - 1 x 2 week summer program, 57% success rate, 60 bait sites, 69 baits taken overall
 - 1 x 2 week autumn program, 64% success rate, 60 bait sites, 77 baits taken
- Rural Licensee feral pig trapping at two sites
- Winter feral pig baiting/trapping program
 - commencing early September, 3 weeks duration
 - 5 bait stations and 5 trap sites
- Kangaroo culling (commercial harvest ongoing)
- Open range shooting (on-going bounty system linked to commercial harvest program)

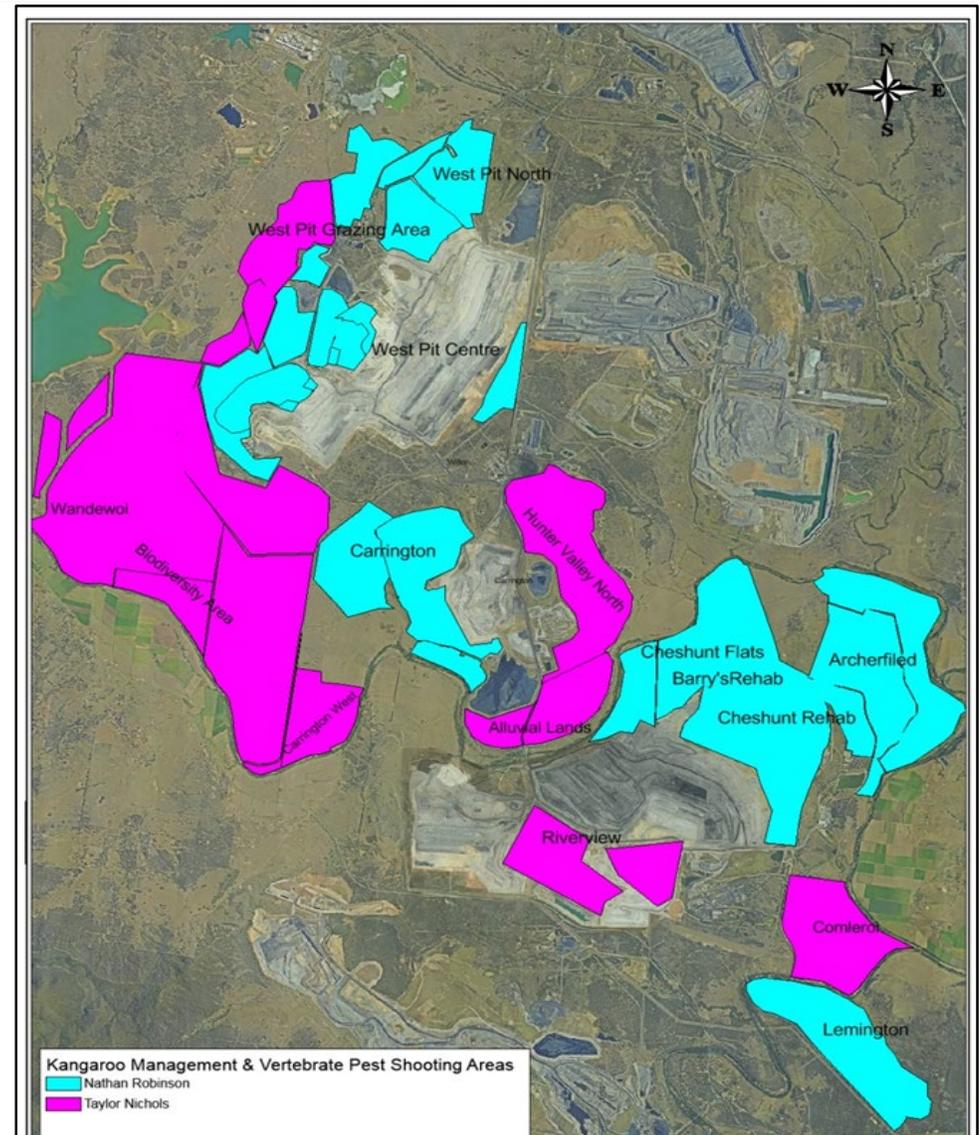
HVO Vertebrate Pest Control Summary			
Vertebrate Pest		2018 YTD	2017
Kangaroos		1166	384
feral pig		247	239
feral pig (bait)		16	1
fox		18	11
fox (bait)		6	17
hare		54	71
feral cat		1	1
rabbit		3	19
wild dog		7	2
wild dog (bait)		142	196
deer (other)		1	0
Overall TOTAL		1671	941

Feral Pest Management (cont.)

YTD November feral pig trapping programme

Locations where feral pigs have been controlled:

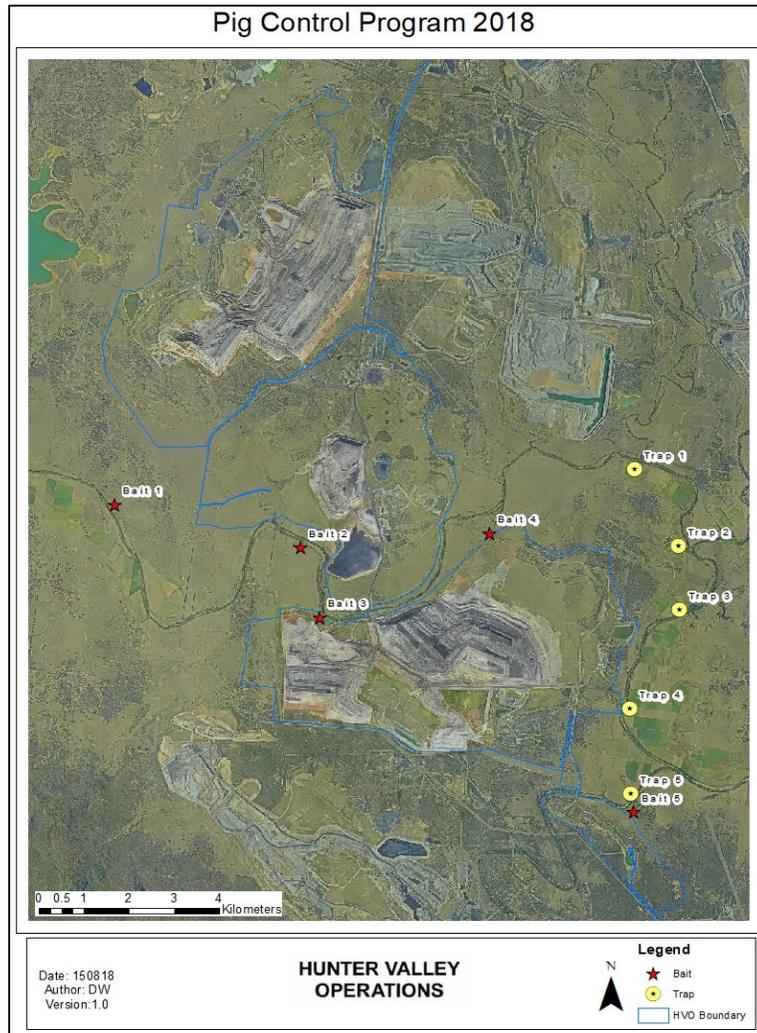
- Comleroi - 13
- Wandewoi - 31
- North Pit Rehab - 8
- Cheshunt - 17
- Archerfield - 117
- Alluvial Lands – 11
- Carrington Stud - 66
- Total = 263



Comparison Pig Control Programs YTD 2018

HVO Pig Control Programs	Numbers controlled YTD
Specialist Vertebrate Pest Management Consultancy – AVPM. trapping and shooting	TBA
Approved Shooters operating on a bounty system – trapping and shooting	166
Rural Property Licensees – voluntary trapping	66
LLS Coordinated Pig Control Program – trapping and shooting	31

HVO component of Mining and Industry Pig Control Program



Distribution

10 stations in 3 broad locations:

- Jerrys Plains river frontage
- Wollombi Brook river frontage
- Confluence Glennies and Bowmans Creek
- 5 bait stations and 5 trap stations

UHMD Presentation

Craig Milton



Upper Hunter Mining Dialogue

21 November 2018

(Switch to Craig's presentation)

Making a difference - HVO Community Grants Program

- \$52 900 donated to support 14 local organisations and events

User Organisation	Project Title	Total Allocated
Wildlife Aid Inc	Wildlife warriors	\$2,700.00
Singleton Council	International Day People with Disability Bush Dance	\$1,550.00
Cancer Council NSW	Transport to cancer Treatment. Singleton	\$5,000.00
Singleton Heights Pre-School Inc.	Physical Acknowledgment of Country	\$4,181.50
Singleton fire brigade social club	Singleton Christmas lolly run	\$1,000.00
Singleton Heights Public School	Reaching for the Heights	\$1,353.48
Singleton Historical Society & Museum	Newspaper Microfilm	\$1,800.00
Australian Stock Horse Society Eastern Branch	Eastern Branch ASHS Championships	\$1,500.00
Singleton Scout Group	Lighting and heating	\$6,000.00
Singleton Council	Pass Your Hat - Charity drought fundraiser	\$7,338.14
Singleton Neighbourhood Centre Inc	Paving of Outside area	\$5,000.00
Singleton Council	Blast - youth adventure festival (Colour run)	\$5,490.00
Penguins Garden Group	Penguins Garden Group	\$5,000.00
Salvation Army Singleton	Children's Christmas Party	\$5,000.00

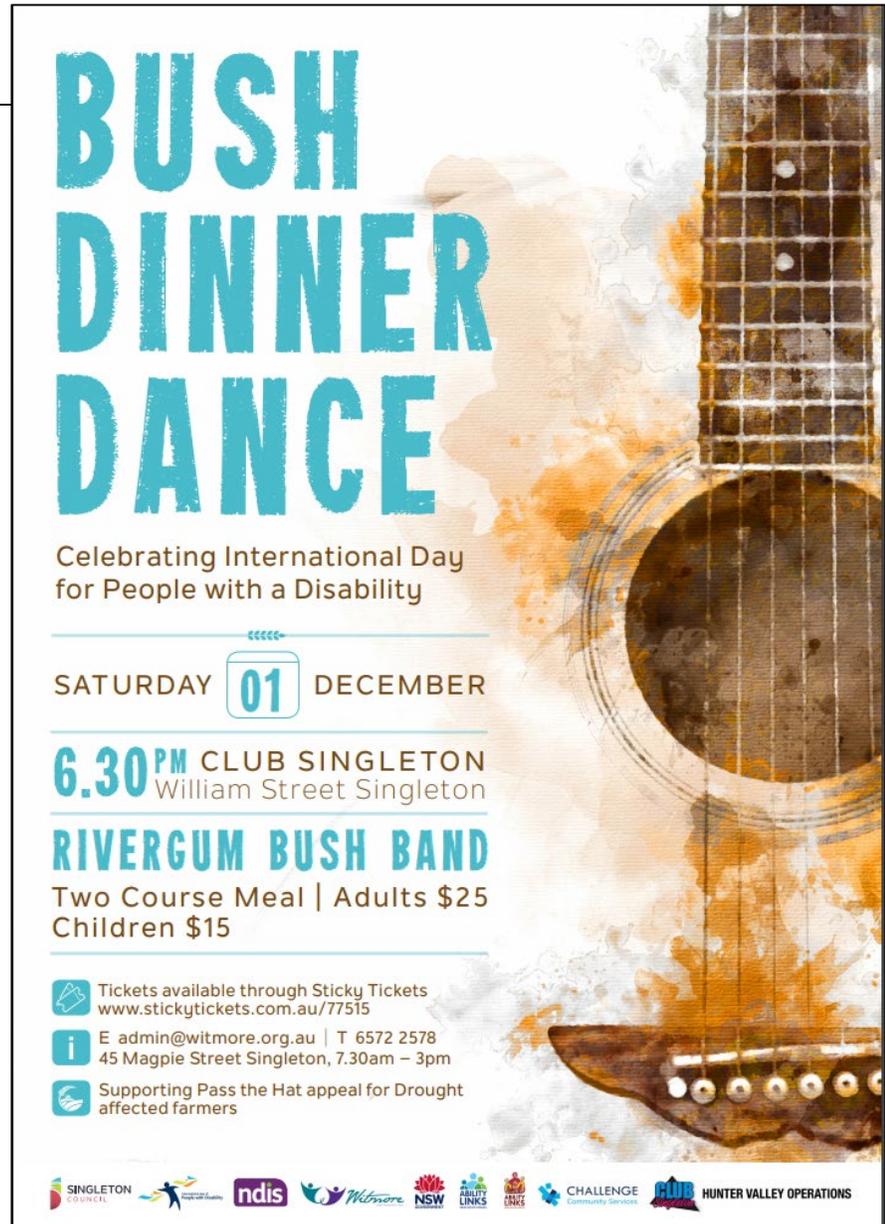
Community Events

- Eastern Stockhorse Challenge
- Pass the Hat – drought fundraiser
- Jerrys Plains Hall – air-conditioning
- Singleton Campdraft
- Blast Adventure Festival



Coming Up

- Bush Dinner Dance
- Salvation Army Kids Christmas Party



**BUSH
DINNER
DANCE**

Celebrating International Day
for People with a Disability

SATURDAY **01** DECEMBER

6.30 PM CLUB SINGLETON
William Street Singleton

RIVERGUM BUSH BAND
Two Course Meal | Adults \$25
Children \$15

 Tickets available through Sticky Tickets
www.stickytickets.com.au/77515

 E admin@witmore.org.au | T 6572 2578
45 Magpie Street Singleton, 7.30am – 3pm

 Supporting Pass the Hat appeal for Drought
affected farmers

        HUNTER VALLEY OPERATIONS

HVO – contact details

HVO Complaints and Blasting Hotline:

- **1800 888 733 (free call)**
- To make an environmental complaint
- Find out road closure times for blasting
- Attended 24 hours a day / seven days a week

Websites

- HVO - information about the operation: <https://hvo.com.au>
- HVO InSite - environmental monitoring performance: <https://insite.hvo.com.au/>

- Brian Atfield
- Di Gee
- David Love
- Dr Neville Hodgkinson
- Janelle Wenham
- Michael Wellard
- Todd Mills
- Cr Hollee Jenkins



