

@THE COAL FACE

Vol 5 No 10: November 2021

Available online @ thecoalface.net.au



PAGE 7 GREEN LIGHT FOR GLENCCORE

SINCE STARTING OPERATIONS IN 2010, GLENCCORE'S MANGOOKA MINE HAS EARNED THE REPUTATION AS ONE OF OUR INDUSTRY'S EXEMPLARY COAL OPERATIONS. WHICH IS WHY APPROVAL FOR THEIR CONTINUED OPERATIONS IS GREAT NEWS FOR OUR REGION AND INDUSTRY.

BREAKING NEW GROUND

SINGLETON LOCAL AND HUNTER VALLEY MINER PHOEBE DESMOND HAS CLAIMED HER SPOT IN THE INAUGURAL NEWCASTLE KNIGHTS NRLW TEAM.

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OPINION

SPORTING SPONSOR

THE NSW MINERALS COUNCIL WILL BE A FOUNDATION PARTNER AND MAJOR SPONSOR OF THE NEWCASTLE KNIGHTS WOMEN'S TEAM IN THE NRLW IN 2022.

The NSW Mining logo will be proudly positioned on the front and back of the team's jersey in their first year in the NRLW in a strong demonstration of mining's commitment to diversity and inclusion.

Since 2018 we have supported the Newcastle Knights under 19s team in the Tarsha Gale Cup, and this new sponsorship is another positive step.

The entry of a Knights team into the NRLW competition is a special moment for women's sport, as well as for the Hunter community as a whole, and the local mining industry is excited to be part of it.

We are also excited that an experienced Hunter Valley mine worker is among the recruits to the Knight's new NRLW team, highlighting the bond between the club and our important mining communities.

THIRTY YEAR-OLD PHOEBE DESMOND HAS WORKED IN MINING FOR 10 YEARS AND JOINS AN ESTEEMED GROUP OF NEWCASTLE KNIGHTS PLAYERS - INCLUDING BILLY PEDEN, STEVE SIMPSON, ADAM MUIR, TONY BUTTERFIELD,

JOSH KING AND MORE - THAT HAVE ALL BEEN PART OF THE LOCAL MINING INDUSTRY.

Phoebe works at Glencore's Bulga Open Cut mine near Singleton which produces high-grade metallurgical and thermal coal for export. She operates haul trucks and drill rigs essential to safe and efficient operations.

When asked how she felt about being a miner and Newcastle Knight, Phoebe said, "I'm excited about the opportunity, that's for sure. And being able to show the other girls out there that we can do both worlds. We can have a mining career and we can have a football career and put them both together."

Now we are emerging from the COVID-19 lockdown, it's great to once again enjoy more freedoms. Going to the footy to cheer on Phoebe and her team-mates in the Knights NRLW team is another great reason why our miners and their families should be proud of the effort everyone has made to stay Covid-safe.

Stephen Galilee, CEO, NSW Minerals Council

@ THE COALFACE

OUT AND ABOUT

IT'S BEEN SO WONDERFUL THIS MONTH TO BE BACK OUT IN THE COMMUNITY AND TO SEE PEOPLE FACE TO FACE. WELL... MASK TO MASK, BUT EVEN THAT IS GREAT!

Life still carried on in lockdown, and while you would think being stuck at home would equal plenty of time to lounge around, the reality was that most people had a lot more going on than usual trying to juggle working, home schooling and looking after kids. Plus, all that online shopping took quite a bit of time out of the day too...

BUT NOW WE ARE BACK WHERE WE LOVE TO BE. OUT MEETING PEOPLE AND LISTENING TO THEIR STORIES SO WE CAN SHARE THEM WITH YOU. AS

MORE RESTRICTIONS LIFT OVER THE COMING MONTHS, WE CAN'T WAIT TO CATCH UP WITH OLD FRIENDS AND MAKE PLENTY OF NEW ONES TOO.

This month we had a fantastic time on our very first visit to Hunter Valley Zoo. While it's been around for a long time, it was recently purchased by Australian Wildlife Parks. If you haven't been before then make it the destination for your next family outing. You won't find a more family friendly place and it's a real hands on experience. Or should we say paws on!

We are all desperate for a holiday and with the school holidays getting closer now is the time to start planning. But if you're not comfortable getting out in the thick of things yet, why not consider a camping trip? We've got plenty of good tips to help you out on our travel page.

With only one more edition to go for 2021, now's the time to get in contact with us if you've got a great story to share. We can't wait to catch up with you in person.

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OPINION

WHEN MINING IS STRONG,
ALL AUSTRALIANS WIN

COMMENCEMENTS IN APPRENTICESHIPS AND TRAINEESHIPS FOR THE MINING INDUSTRY
HAVE RISEN AGAIN, AS WELL AS AN INCREASE IN MINING JOBS ON OFFER.



1,933 Australians started an apprenticeship or traineeship in the March 2021 quarter according to the latest statistics released by National Centre for Vocational Education Research. This is an increase of over 10 per cent compared to the same quarter in 2020 and is almost double the number of commencements in the same period in 2016.

In 2020 the Australian mining industry committed to creating 5,000 new apprenticeships and the figures recently released confirm the industry is well on the way to meeting this commitment.

More than 3,800 people have started apprenticeships or traineeships since the 2020 commitment.

The March data also shows 794 people completed their courses – a solid increase compared to the 742 completions in March 2020. The MCA expects completions will further strengthen after the

Australian government recently announced the \$716 million Completing Apprenticeship Commencements program.

THE MINING INDUSTRY CONTINUES TO WORK HARD TO UPSKILL OUR WORKFORCE AND BE AN EMPLOYER OF CHOICE.

More than 1,000 apprenticeships will also be created by the mining industry in partnership with the Australian Government through the Mining Skills Organisation Pilot, an initiative the MCA is proud to support.

Apprentices gain skills for life and the demand for skilled workers is forecast to increase, with Australian mining investing billions in adopting the latest technology, to improve safety, productivity and decarbonise.

APPRENTICES AND TRAINEES THAT CHOOSE THE MINING INDUSTRY CAN EXPECT HIGHLY PAID AND SECURE JOBS.

The latest internet job advertisement analysis commissioned by the MCA shows 2,500 more jobs in mining were on offer in the last quarter.

Independent labour market analysis by Qalski shows an additional 16,751 job advertisements identified as being mining related between June 2021 and August 2021, which is an increase from the 14,201 job advertisements identified in the prior quarter (March to May 2021).

This significant increase in mining jobs advertisements was in stark comparison to a decline in jobs advertisements across all industries, attributable to the impacts of the COVID-19 pandemic.

Australian mining has continued to operate through the pandemic, in part due to the Resources Sector National COVID-19 Protocol developed in March 2020, providing highly paid and secure employment to more than 256,000 people.

Additionally, the Australian mining

industry generated \$299 billion of exports revenue in FY21. Mining accounts for around one-third of company tax revenues, which made a big difference to funding essential services and infrastructure during the pandemic.

There are many pathways for a career in mining and this latest report by Qalski shows the most in demand qualifications for operators are: High Risk Licence: LF – Forklift Truck Operation; Construction Induction Card; Enter and Work in a Confined Space; Work Safely at Heights and High Risk Licence: WP – Boom-type Elevating Work Platform.

With the mining industry committed to providing 5000 new apprenticeships over the next few years that means that 5000 workers in regions will have a trade qualification for life.

Tania Constable
CEO, Minerals Council of Australia

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IN THE NEWS

NEWS DIRECTOR JESSICA ROUSE FROM 2HD NEWFM HAS THE LATEST NEWS STORIES

KEPCO NOT GIVING UP WITHOUT ANOTHER FIGHT

South Korean mining company KEPCO will appeal a high court decision that refused them the green light for a mine in the Bylong Valley. KEPCO lost its second legal appeal last month against the Independent Planning Commission which rejected its proposal to extract 6.5 million-tonnes of coal per year for 25 years in an underground and open cut mining operation in the pristine Bylong Valley.

There have been calls for the land to be sold to the state government but KEPCO has now sought special leave to appeal the IPC decision in the high court.

It's the company's fourth attempt to get the project over the line - there was talk they were considering a hydrogen project in the valley after failing to get the coal project up.

NSW MINERALS COUNCIL WANT URANIUM MINING ON THE TABLE

The NSW Minerals Council is pushing for the ban on uranium mining to be reversed. CEO Stephen Galilee said they support the repeal of the 1986 legislation that bans uranium mining and nuclear power in NSW.

"The NSW uranium and nuclear ban is out of date and out of touch, and its repeal is long overdue," he said.

One Nation's, the Hon Mark

LABOR LEADER HEADS TO HUNTER

Labor Leader Anthony Albanese paid the Hunter a visit last month to officially endorse their candidate for the Federal election.

Despite their differences, Anthony Albanese thanked Hunter MP Joel Fitzgibbon for his time with the party while in Lake Macquarie.

The Hunter MP won't be running in the next Federal election and stood beside his replacement Dan Repacholi to kick off Labor's campaign to hold the seat.

HYDROGEN COULD BRING JOBS TO THE HUNTER

The NSW Government's latest hydrogen report forecasts jobs for regional NSW including here in the Hunter.

The new report outlines a roadmap to build a thriving Power-to-X (P2X) industry in NSW off the back of the announcement of Australia's largest hydrogen strategy.

P2X technologies use cheap, excess renewable energy to split abundant molecules such as water, carbon dioxide and air to make green products like hydrogen, ammonia, methane and methanol for use as fuel, chemicals and feedstocks in NSW and for export to overseas markets as green energy commodities.

The Hunter has already been flagged for the technology due to the existing infrastructure and workforce.

UNION FIGHTING COMPULSORY JABS

For the first time a union is fighting legally against a COVID-19 vaccine mandate at an Upper Hunter coal mine.

The coal miner's branch of the CFMEU has lodged paperwork with the Fair Work Commission against BHP's mandate at their Mount Arthur mine

in Muswellbrook which is enforcing all workers have their first jab by November 10 and their second jab by January 31.

The union says the move is "heavy handed".

Members say they are also afraid they'll lose their jobs if they don't comply.

PROTESTER CHARGED FOR CLIMBING ON COAL WAGON

A woman who climbed on top of a coal wagon near Newcastle in October was eventually charged.

Police were called to the rail corridor near Mangrove Road at Sandgate following reports of protesters blocking the rail line.

Upon arrival, police spoke with a 20-year-old woman who had climbed on top of a loaded coal train.

With assistance from negotiators, Police Rescue and Police Transport Command officers, the woman was safely brought down from the coal wagon and later charged.

The protester was from the Extinction Rebellion and said she was demonstrating to coincide with the Environment Minister's High Court appeal against a ruling that she has a duty of care to protect children from climate harm.

The protest disrupted coal train movements for a few hours.

PASSER BY HAILED A HERO AT KURRI KURRI

A woman and her dog have been saved from a burning home at Kurri Kurri thanks to a heroic passerby.

A man was walking along Alexandra Street when he heard a smoke alarm and saw smoke coming from a nearby home.

As the flames took hold, the man and a nearby council worker ran into the building to help the resident and her pet escape before calling emergency services.

Hunter Valley Police District Crime Manager, Detective Inspector Matt Zimmer, has thanked the members of the public who ran in to save the woman before the blaze took hold.

"It's the heroic actions of these two men which saved this woman and her dog's life yesterday, and on behalf of all the emergency services involved, we would like to thank this pair," Det Insp Zimmer said.

"Both of these men will be considered for bravery recognition for their actions."

Investigations continue to determine the cause of the blaze.

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STAY DILIGENT AGAINST DUST

A NEW AWARENESS CAMPAIGN HAS BEEN LAUNCHED BY COAL SERVICES TO DRIVE HOME THE MESSAGE THAT PROTECTION AGAINST DUST EXPOSURE REQUIRES A SUSTAINED EFFORT.

The campaign includes the release of a revised 'Dust Book' that was first published by the Joint Coal Board in 1966. The 8th edition 'Protecting against airborne dust exposure in coal mines' is now available in both hard-copy and as a pdf on the Coal Services website.

Lucy Flemming, Managing Director/CEO, said that the campaign reminds us that prevention and vigilance is key to protecting workers from dust-related disease.

"It can't be a 'set and forget' mentality when it comes to maintaining awareness of the risks of dust exposure," she said. "We are fortunate that we have a strong legislative framework in NSW, including the dust monitoring and health surveillance we perform under Order 42 and Order 43. Education is equally important to ensure that workers and employers remained informed about exposure controls and looking after their health."

The Standing Committee on Dust Research and Control, established in 1954, is an expert advisory body comprising representatives of the mining companies, mining unions, industry specialists, government departments and Coal Services medical and engineering personnel.

Mark Shepherd, Chair of the Standing Dust Committee, said that the revised dust book is just the first step in the campaign.

"The updated dust book includes the revised workplace exposure standards that came into effect over the last twelve months. There is also a new section that covers key learnings from dust exceedances and investigation reviews. This type of information is shared at the Standing Dust Committee but it's just as important, if not more so, that workers are aware of these messages and can apply them at their place of work," said Mark.

"WE WANT WORKERS TO AVOID 'NORMALISING' THE DUST, BE ON THE LOOKOUT FOR CHANGE AND MAKE SMART CHOICES ABOUT THEIR HEALTH. IF IT'S DUSTIER THAN USUAL, THERE'S PROBABLY A VERY GOOD REASON SO DON'T IGNORE IT; INVESTIGATE IT. COMPLACENCY IS THE ENEMY AND WE NEED TO REMEMBER THAT THE HEALTH IMPACTS OF DUST EXPOSURE ARE NOT IMMEDIATE."

Coal Services is working with industry to educate their workforces on the issue of dust awareness.

"We are committed to working with each individual mine site to deliver a targeted message, either at start of shift or at a training session, and to deliver these books into the hands of every coal mine worker across NSW," he said.

NSW Minerals Council CEO, Stephen Galilee, supported the booklet's release and applauded Coal Services' work in assisting employers and their workforce by providing advice and education.

"The release of this revised edition demonstrates the commitment of the Coal Services team to continuous improvement in education and management of airborne dust exposure and other important safe work practices," he said.

General President of the CFMEU – Mining and Energy Division, Tony Maher, agreed.

"It's important that every coal mine worker is armed with the best and latest information. Our industry must maintain a strong prevention focus and reinforce its commitment to protecting the health and safety of the industry's most valuable asset – its workers," Tony said.

THE 'DUST BOOK' IS AVAILABLE AT WWW.COALSERVICES.COM.AU

GREEN LIGHT FOR GLENCORE

SINCE STARTING OPERATIONS IN 2010, GLENCORE'S MANGOOLA MINE HAS EARNED THE REPUTATION AS ONE OF OUR INDUSTRY'S EXEMPLARY COAL OPERATIONS. WHICH IS WHY APPROVAL FOR THEIR CONTINUED OPERATIONS IS GREAT NEWS FOR OUR REGION AND INDUSTRY.

Mangoola's accolades are numerous, among them claiming the title of Australian Mine of the Year at the Prospect Awards in 2013 and the winner of the Environmental Excellence category in 2020. Then there's their Coal Handling and Preparation Plant (CHPP) picking up three awards of their own in 2019. Not bad for an operation that has only been around for a little over a decade.

Mangoola's benchmark mine rehabilitation work has been lauded by industry, government and community and they have already successfully recreated hundreds of hectares of natural landforms. Rehabilitation follows as closely as possible behind the mining process and the end goal is about creating an ecological community that will thrive long after mining finishes.

THE REPUTATION MANGOOLA HAS EARNED THROUGHOUT ITS OPERATIONS HAS MADE THE APPROVAL FOR THEM TO EXPAND THEIR OPERATIONS A NO-BRAINER. RECENTLY THE FEDERAL GOVERNMENT ENVIRONMENT MINISTER SUSSAN LEY GAVE THEM

THE GO AHEAD FOR THE EXTENSION THAT WAS APPROVED BY THE NEW SOUTH WALES INDEPENDENT PLANNING COMMISSION (IPC) EARLIER THIS YEAR.

As part of the plan, Mangoola will continue the use of its existing facilities and equipment and will extend the existing open cut mine, with the establishment of a new mining area to the north of the existing operation. It will extend their footprint by 623 hectares and allow them to extract an additional 52 million tonnes of coal. The plan also features the construction of a haul road overpass across Big Flat Creek and Wybong Road to link the existing coal mine with the new pit.

The expansion will see the mine life of Mangoola extended for eight years to 2030. This is no doubt fantastic news for the 380 people currently employed and the further 145 construction and 80 operational job opportunities that will be created.

It also means that the local community will continue to benefit. In 2020, Mangoola spent \$153 million of goods and supplies, much of it with local companies. During their operations



Mangoola have contributed more than \$12 million to the upgrading of local roads and made community contributions of more than \$4.5 million. Nearly every month we

are proud to share a story of the Mangoola workforce supporting their local community through fundraising and initiatives. Imagine how much more they will do now.

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A rabbit, a priest and a minister walk into a bar.

The bartender looks at them and asks, "Is this a typo?"

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OPINION

NET ZERO NEEDS NUCLEAR

WE NEED TO BRING SOME COMMON SENSE TO THE NET ZERO EMISSIONS DEBATE BY ALLOWING NUCLEAR POWER TO BE PART OF IT.

'AVE A LAUGH WITH

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BEST UNDER PRESSURE

A mother is driving a little girl to her friend's house for a play date.

"Mommy," the little girl asks, "how old are you?"

"It's not polite to ask a lady her age," the mother replied.

"OK", the little girl says, "How much do you weigh?"

"That's a personal question and is really none of your business," her mother replies.

Undaunted, the little girl asks, "Why did you and Daddy get a divorce?"

"That is enough questions, young lady, honestly!" says the exasperated mother as she leaves the two friends to play.

"My Mum won't tell me anything about her," the little girl says to her friend.

"Well," says the friend, "all you need to do is look at her drivers license. It is like a report card, it has everything on it!"

Later that night the little girl says to her mother, "I know how old you are, you are 32. I also know that you weigh 75 kilos."

The mother is surprised and shocked. "How on earth did you find that out?"

"And," the little girl says triumphantly, "I know why you and daddy got a divorce."

"Oh really?" the mother asks. "Why?"

"Because you got an F in sex."

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LEARN FROM THE LAWMAN

STUART BARNETT IS OUR MINING INDUSTRY'S LEADING PERSONAL INJURY LAWYER. THIS MONTH HE HAS SOME IMPORTANT ADVICE ABOUT THE CANCELLATION OF CERTIFICATES OF TITLE.

'AVE A LAUGH WITH
HUNTER VALLEY
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BEST UNDER PRESSURE

Paddy says to Mick, "I found this pen, is it yours?"
Mick replies, "don't know, give it here."
He writes some words down and says, "yep, it's my pen."
Paddy looks at Mick then asks, "how do you know?"
Mick replies, "easy, that's my handwriting."

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Last year I foreshadowed the demise of the "paper" certificate of title and changes to conveyancing. Generally speaking, in NSW to date, the owner of land demonstrated that they owned the land by being the registered proprietor on a physical certificate of title and it was a document that you held in your possession or that you gave to your mortgagee when you borrowed money.

The Registrar General has announced that from 11 October 2021 all Certificates of Title will be cancelled, and new certificates of title will not be issued. This has been a phased course of action so some people may already have been contacted by their mortgagee regarding this issue. For many years what is called The Torrens Title Register has been the single place where land ownership is recorded, and it will continue to be. The Register is maintained by the NSW Land Registry Service and is backed up by the NSW Registrar General's office.

FROM A PRACTICAL POINT OF VIEW THIS MEANS THAT A LANDOWNER WILL NO LONGER RECEIVE A PHYSICAL CERTIFICATE OF TITLE WHEN THEY BUY LAND FOR CASH OR WHEN THEY PAY OFF THEIR MORTGAGE OR IN OTHER CIRCUMSTANCES, FOR EXAMPLE WHEN THEY SUBDIVIDE LAND. WHAT THE LANDOWNER WILL RECEIVE FOLLOWING A TRANSACTION IS A NOTICE CONFIRMING THAT THE DEALING OR TRANSACTION HAS BEEN RECORDED.

Consequently, a Certificate of Title is no longer a legal document. So, if you hold a certificate of Title there is nothing you need to do.

If your Certificate of Title is held by an institution, for example your Mortgagee or by someone else and you would like to have it in your possession for historical reasons then you will need to retrieve it from whoever holds it.

If you are a party to an unregistered Mortgage or holding someone

else's Certificate of Title as security over a loan, then the Certificate of Title no longer has any meaning, and you need to make alternative arrangements in respect of the security for the loan.



This is general advice and because your individual circumstances will vary, I recommend seeking out specific advice for your needs.

STUART BARNETT, SLATER & GORDON LAWYERS

DRIVING DIVERSITY

JOIN THE TEAM AND HELP DRIVE DIVERSITY AND INCLUSION ACROSS THE HUNTER AS PART OF THE WOMEN IN MINING NETWORK NSW HUNTER VALLEY SUBCOMMITTEE.

MEMBERS OF THE WIMNET NSW HUNTER SUBCOMMITTEE AT THIS YEAR'S HUNTER BUSINESS MINING LUNCH, WHERE RENATA ROBERTS SPOKE. PHOTO BY AJM PHOTOGRAPHY

Women in Mining Network (WIMnet) NSW aims to support, nurture, promote, connect and empower the women of the NSW minerals industry.

It promotes diversity and inclusion through networking events, mentoring and professional development initiatives.

The WIMnet NSW Hunter Valley Subcommittee, with co-leads Renata Roberts and Damien Butler from the Bloomfield Group, provides a network for women in the Hunter's mining industry and the committee has been steadily growing.

The committee held two events in the first half of 2021 to promote women in mining, inspire students to consider a career in our industry and encourage champions of all genders to support and promote change.

While the committee has continued its virtual meetings, COVID-19 meant the events planned for the second half of 2021 had to be postponed.

With COVID-19 restrictions lifting, the committee is now ramping up its efforts to promote diversity and inclusion across the Hunter and is finalising its events schedule for 2022.

USE THIS QR CODE TO LEARN MORE AND FIND OUT HOW YOU CAN JOIN THE TEAM THAT IS MAKING A DIFFERENCE IN DIVERSITY AND INCLUSION ACROSS THE HUNTER.

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OPINION

WHY WE WON'T MISS BHP

SINCE BHP ANNOUNCED LAST YEAR IT WAS LOOKING FOR A BUYER FOR MT ARTHUR COAL MINE, THERE'S BEEN PLENTY OF BUZZ ABOUT WHO WILL TAKE OVER THE GIANT OPEN CUT MINE. WHILE BHP HAS FLAGGED ITS INTENTIONS TO EXIT THERMAL COAL, THEY'RE TAKING THEIR TIME ENJOYING THE RECORD HIGH PRICES THEY ARE CURRENTLY GETTING FOR EXPORT COAL MINED AT MT ARTHUR.

There will be many column inches of commentary about what BHP's exit means for the Hunter Valley coal industry.

But one thing's for sure, their exit will be celebrated by workers. BHP has driven some of the worst employment practices in our industry. In particular, they have driven the decline of permanent jobs in the coal mining industry and the widespread increase in casual labour high employment.

This has been a deliberate strategy by BHP to reduce costs at Mt Arthur and across its business. Less than a decade ago nearly all of the 2000 workers on site were directly employed by the company with permanent entitlements and conditions, now it is fewer than half. The remainder are employed by a variety of labour hire contractors at rates of 40% less than permanent BHP employees and without the job security they deserve or the conditions guaranteed by the site Enterprise Agreement achieved through collective bargaining over many years. Most are casual, with no paid holidays and the threat

of being sacked any moment despite years of service.

This employment model driven by BHP robs mining regions like ours of permanent jobs, income and economic activity – sending it to the pockets of executives and shareholders instead of flowing through the community.

To add insult to injury, BHP's solution to creating more permanent jobs was to set up its own in-house labour hire company, the fully-owned subsidiary Operations Services. These workers wore BHP shirts but were paid and treated as labour hire. In fact, their pay and conditions were worse than other labour hire companies on site. Operations Services never really took off at Mt Arthur in the way it has in Queensland, with many workers knowing a bad deal when they saw it. When BHP announced OS would be wound up this month, they told workers they could take up a job in Queensland's Bowen Basin or resign. This is how the so-called 'Big Australian' treats its workers.

Their latest move is the heavy-handed and unnecessary mandatory vaccination policy, where everyone

entering the Mt Arthur mine will need to vaccinated by November 10. Now, we encourage everyone to get vaccinated and to discuss any medical concerns they have with their doctor. But an open cut coal mine is not a hospital or aged care facility. There is no public health order requiring mandatory vaccination of mineworkers in NSW. BHP should encourage high rates of vaccination at Mt Arthur, like everywhere else, through education, access and incentives. It's just another example of BHP thinking they can do whatever they like without taking the views and needs of their workforce into consideration.

At the time of writing, BHP hasn't announced who will take over at Mt Arthur. But we are looking forward to finding out, as we know that when it comes to the treatment of workers it will be an improvement.

A SILVER LINING TO BHP'S APPROACH HAS BEEN THE CONTRIBUTION OF JEFF DRAYTON, OUR RESPECTED OFFICIAL WHO SADLY RESIGNED FROM THE UNION LAST MONTH DUE TO ILL HEALTH.

Jeff joined the mining industry at Mt Arthur and quickly took on the Lodge President's role, recognising that workers needed strong representation to defend their rights against BHP.

Jeff proved to be a highly effective union delegate and eventually was elected as a Vice President with our District.

As a union official over the last eight and a half years, Jeff has advocated fiercely for the rights of mineworkers and his efforts have delivered substantially improved outcomes. Jeff supported workers through tough industrial campaigns that built workers' confidence and resulted in better and fairer pay and conditions.

The union and its members will miss Jeff's ability and passion in representing mineworkers. We thank him for his years of service and wish Jeff, his wife Susan and their family all the best for a healthy and happy future.

Peter Jordan, CFMEU Northern Mining and NSW Energy District President

POSITIVE RESULTS FOR UHMD PROJECTS

IMPROVED AIR QUALITY, MORE WATER FLOWING IN THE HUNTER RIVER AND CONTINUED GROWTH OF REHABILITATED MINED LAND, ARE ALL POSITIVE RESULTS HIGHLIGHTED BY RECENT UPDATES FROM THE UPPER HUNTER MINING DIALOGUE'S ENVIRONMENTAL PROJECTS.

The Dialogue has released its annual updates of data for its Air Quality Monitoring Network Analysis Project, Water Accounting Framework Project and Rehabilitation Principles and Commitments Project.

The Dialogue's Air Quality Monitoring Network Analysis Project tracks trends in Upper Hunter air quality compared to other NSW regions monitored by the NSW Department of Planning, Industry and the Environment. With data from 2020 now included, the study includes PM10 and PM2.5 concentration data for eight years dating back to 2013.

The 2020 data report shows air quality significantly improved last year in the Upper Hunter and other NSW regions measured in the

study due to higher rainfall and less impact from bushfires.

THE WETTER THAN AVERAGE YEAR IN 2020 ALSO BOOSTED FLOWS IN THE HUNTER RIVER WITH 500 GIGALITRES ENTERING THE UPPER HUNTER RIVER SYSTEM COMPARED TO 214 GIGALITRES IN 2019.

Of this, according to the Water Accounting Framework project update, 74.4 per cent of the river water stayed in the system while just 3.6 per cent was extracted by the mining industry and 22.1 per cent was used by farming, residents and businesses. Onsite rainfall/runoff accounted for 55 per cent of water used in the mines.

The rehabilitation project reports a further 848 hectares were

rehabilitated in 2020 compared to 1380 hectares disturbed by mining. The annual rehabilitation to disturbance ratio of 0.61 means for every hectare disturbed, 0.61 hectare of rehabilitation was undertaken. The 2020 rehabilitation rate was impacted by the start of new mine project; all mines go through life cycles where, at the beginning of the cycle, as new mining areas are being developed, disturbance generally outweighs rehabilitation. However, the rehabilitation rate grows as the mine progresses.

The area of land now under rehabilitation by Upper Hunter mining companies totals a record 14,242 hectares – or almost 38 per cent of all land disturbed by mining in the Upper Hunter.

FULL DETAILS OF ALL THE DIALOGUE'S PROJECTS INCLUDING THE LATEST UPDATES AS WELL AS HISTORICAL DATA CAN BE FOUND ONLINE AT MININGDIALOGUE.COM.AU

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POINT 2 POINT
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SPECIAL FEATURE

MINING EQUIPMENT

THE DEVELOPMENT OF MINING EQUIPMENT, TECHNOLOGY AND SERVICES IN THE AUSTRALIAN MINING SECTOR IS WORLD LEADING. WHETHER DESIGNED FOR INCREASED PRODUCTIVITY, SAFETY OR ENVIRONMENTAL SUSTAINABILITY, OUR COUNTRY'S MINING INDUSTRY HAS BEEN AT THE FOREFRONT. THIS MONTH'S SPECIAL FEATURE DELVES INTO THE ADVANCED AND SOPHISTICATED MINING EQUIPMENT AND SERVICES AVAILABLE RIGHT HERE IN THE HUNTER VALLEY AND WIDER NSW.

DGI TRADING

WITH THE CURRENT STATE OF WORLD LOGISTICS EXPERIENCING UNPRECEDENTED PRESSURE, IT'S NO SECRET THAT SECURING TIME-SENSITIVE COMPONENTS AND MACHINERY CAN PROVE DIFFICULT IN THIS CLIMATE.

DGI Trading are global leaders in sourcing hard-to-find components, and their ability to maintain ample, localised stock irrespective of market fluctuations has proven to be advantageous in the face of disruptions to Australian mining operations.

"DGI's ability to source and supply machinery and components worldwide has evolved over our 10+ years of trading, built on our long-established supplier relationships," explains Gerard Dillon, Operations Manager.

"At any one point we are moving fleets of liquidated stock, or containerised components from many international and local locations to meet market demand.

"MOST OF OUR MACHINERY AND COMPONENT PROCESSING TAKES PLACE AT OUR PURPOSE-BUILT FACILITY, WHERE IT IS WAREHOUSED AND READY FOR DISPATCH."

"At any one point we are dismantling a broad range of late model



machines for component recycling, which spans all major mining machinery applications.

"Our focus on asset recycling compliments our continually-rotating inventory of new, used and rebuilt components, ensuring we've got all bases covered for our customers."

With a range of express, same-day freight options available,

DGI's global reach combined with proximity to the Hunter mining region allows the business to continue to provide cost-effective, timely solutions across the spectrum of major OEM mining names.

TO DISCOVER MORE ABOUT HOW DGI CAN DELIVER EFFECTIVE PRODUCT SOLUTIONS FOR YOUR MINING OPERATION, VISIT WWW.DGITRADING.COM

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Founded by Rusty Russell in 2005, the Company supports over 230 personnel from seven Branches. The Company stands on a solid foundation with diversity of services across the Mining, Transport, Construction & Agriculture Industries. Double R prides itself on our dedicated team and established culture. Double R management consists of trade experience at every level including the Director, General Manager, Operations Managers & Branch Managers.

Double R is well into its second decade, with a proven track record on meeting customer needs.

In addition to sales and service of quality Construction and Agricultural machinery, Double R and the dedicated team support a wide range of customers and projects. Double R delivers quality on-site services from well set out service utes, boilermaking and line boring trucks, all backed and supported by management and the national operations of Double R. Double R has extensive plant, equipment and tooling, to meet all requirements. Double R has consistently re-invested in plant, equipment, and tooling for over a decade and invites clients to visit our Workshops at any time.

We have a great team comprising of experienced tradespeople who rise to the challenge by drawing on their experience, qualifications, team work and "Can Do" attitude without sacrificing safety standards.



MEET OUR TEAM



MATT JACKSON
Branch Manager

Matt has been an integral part of the Hunter Valley team since the branch was established in 2017. Matt is a trade qualified Heavy Boilermaker that has been involved in the mining industry for over 15 years.



DANIEL WYNANDS
Workshop Manager

Daniel is the leader of our engineering team. Daniel has been a part of the Double R team for a total of 3.5 years. Daniel is a Fitter & Turner by trade with over 25 years' experience as a Line Bore technician.



CHRIS CHALLENGE
Service Manager

Chris is the leader of our mechanical team. Chris is well known throughout the Industry for his excellent people skills & his ability to keep your machine running when you need it most. Chris has over 20 years' experience in the industry.



JUSTIN HOLBROOK
Parts Manager

Justin is the leader of our parts team from the Hunter Valley workshop. Justin has been a part of the Double R team since 2019. Justin has well over 25 years' experience in spare parts, supplying parts to our valued customers on sites throughout Australia.

Double R

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MORGAN ENGINEERING

EXPANDING CAPABILITIES IN ALL AREAS OF THE BUSINESS.

'Grow your own timber' is a saying that aligns with Morgan Engineering's vision for the future. By investing in building a foundation based on solid values, positive workplace culture, comprehensive safety and quality processes, skilled workforce, and state of the art facilities, they have set a path for sustained growth.

Morgan Engineering is at the forefront of innovation and modern machining techniques, specialising in engineering and CAD drafting, large capacity CNC machining, on-site machining, and heavy fabrication.

Based in the heart of the Hunter Valley in Singleton, the privately-owned, second-generation family company boasts almost five decades of experience providing tailored engineering solutions to customers across New South Wales and beyond.

BUILDING FIT-FOR-PURPOSE FACILITIES AND USING TECHNOLOGY TO DRIVE PROCESS IMPROVEMENT

In 2020, Morgan Engineering opened their new standalone, purpose-built line boring facility to modernise and streamline processes, resulting in some impressive performance improvements. The workshop was also fitted with new office space, purposed-built storage, IT infrastructure and modern amenities which have had a positive impact on workplace culture and productivity, and in turn employee retention.

"We are now also mid-construction of a new purpose-built workshop which will significantly increase our capacity, improve customer service and reduce component repair lead times," General Manager, Jeremy Brett, said.

"During this past 12 months we also went through the process of implementing a new ERP system to consolidate all legacy business systems and their knowledge base to ensure a more streamlined manufacturing facility overall," Jeremy continued.

The system features integrated quality, control, scheduling,

labour, customer relationship management and inventory management, as well as invoicing and business reporting tools.

Directly linked to the ERP system is Morgan Engineering's state-of-the-art consumables, inventory and tooling dispensing system. This system is perfect for providing tradespeople with 24-hour a day, real time, access to a range of over 500 high value, fast moving, and critical inventory items. It also supports full stock accountability and automated re-ordering.

Calibration control ensures that no serialised item will be issued if it has fallen out of its authorised calibration cycle, ensuring issued items are within certification and calibration parameters – in line with the company's strict quality control processes.

"Our team now use only the best in-house systems and design tools in the industry to provide bespoke, cost effective, timely, quality assured, and reliable engineering service solutions for all clients," Jeremy said.

PLACING CULTURE & VALUES AT THE FOREFRONT

This year, the Morgan Engineering leadership team came together to participate in a team culture session to define their cultural brand and behaviours.

"We worked on the concepts of 'above the line' and 'below the line' behaviours as well as the concept of 'radical candour' – all aligning with our value of open and honest communication," Company Director and Workshop Manager, Martin Morgan, said.

"Radical candour is how we provide feedback to our team members, feedback that challenges them directly but in a way that also cares for them personally."

The team defined their expectations, according to two distinct categories of behaviour.

'Below the line' behaviours are those to be avoided – such as the use of blame, excuses, and denial. These are more likely to be adopted when there is poor culture, causing tension,



MORGAN ENGINEERING'S AWARD-WINNING TEAM OF OVER 60 SKILLED ENGINEERS, TRADESPEOPLE, AND APPRENTICES.

conflict, and frequent errors.

Conversely, 'above the line' behaviours and responses reflect a positive mindset, which aligns with the key areas of ownership, accountability, and responsibility. This is the mindset they want to encourage all levels of the team to strive for.

"This increased focus on values and culture was about setting the course for the future," Martin continued.

"Our values are at the heart of everything we do as an organisation, and by committing to them as a team, it ensures we are all working toward the same goals. Our values support our culture, and shape who we are as a business."

APPRENTICESHIP PROGRAM

Key to consistent, high-quality delivery is Morgan Engineering's experienced team – including a team of over 60 skilled engineers, tradespeople, and apprentices.

Their commitment to supporting the development of a skilled and trained workforce is critical to the future of Morgan Engineering. This is demonstrated in their approach to addressing identified skills gaps and training needs in the sector, through training the next generation of talent, which also serves to strengthen capabilities across their own business.

"We identified that the current qualifications available to engineering apprentices did not adequately address future skills requirements," Company Director and Line Boring Field Services Manager, Matthew Morgan, said.

Partnering with Gimbal Training, Morgan Engineering developed a program which provides both trade qualifications, as well as development of the specific skills and experience critical to their business (and industry).

"Line boring as a stand-alone skill has no TAFE training or qualification – the task instead is completed by a qualified fitting machinist, fitters and turners or CNC machinist who need significant time on the job to gain the required experience. Because of this, we engaged Gimbal Training, to allow us to create efficiencies and develop a highly skilled pool of line borers – a specialist qualification that is currently not available," Matthew continued.

"Prior to the creation of this

innovative program with Gimbal training, we had always welcomed apprentices undertaking their qualifications through TAFE," Martin said. "We have a very high success rate for retaining apprentices within the business. Previously, seven apprentices have gone through and stayed with us – five of whom are now in Leadership roles.

RECOGNISED AND AWARDED

As a result of the significant investment of time, money and resources that Morgan Engineering has committed to a continuous improvement culture, 2021 has been an award-winning year. They were a Gold Prize winner in the Let's Roll: Australian Business Awards, as well as a finalist in the Newcastle Business Club awards and the Business Hunter awards. Most recently the team were announced as winners in the Hunter Manufacturing Awards, taking out the category of Excellence in Building Workforce Capability for the Future.

According to the HMA judges, Morgan Engineering was a standout in its category, noting:

This Australian business has successfully developed their workforce with targeted capabilities, improving business performance along with employee and customer satisfaction. Their submission reflected a well thought out and executed business strategy.

"To say we are thrilled is an understatement," Company Director and Financial Manager, Chelsea Morgan-Whitaker, said.

"We have been working really hard to make sure this family-owned and operated organisation is at the forefront of technological advancements, is continually improving processes and procedures and places our team and customers at the centre of everything we do."

"So to receive external recognition for this is a proud moment for the entire team."

TO LEARN MORE ABOUT MORGAN ENGINEERING, CHECK OUT THE WEBSITE WWW.MORGANENGINEERING.COM.AU



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Our ultra-modern, high-capacity workshop facilities are fully equipped to manage end-to-end customer projects, in support of our large line boring and on-site machining divisions.

Our team of highly skilled engineers, tradespeople, and apprentices are dedicated to excellence in design, manufacturing, and service - converting challenges into ideas and solutions.

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Tilt Tray Services. Our Environmental capabilities include tractor and slasher; zero-turn mowers, trimmers and chainsaws; remote control Slope "Spider" Mower; silt fence, security fencing and rural fencing; rip-rap and drainage; hay-mulch spreader blower; reseeding and weed control; and sandbag, straw bales and other sediment control. Covering civil projects our fleet of D6 Dozers, 14' Grader and Rollers,

Watercarts, Tippers, Tilt tray, 25T and 21T Excavator, 14T Excavators, 9T Excavator and Posi Tracks and various attachments will get the job done with Drone RTK Survey also available. We are proud to have completed projects such as Integra's Underground Drainage Development, Delta Electricity and infrastructure maintenance, plus Ash dam capping at Vales Point Power Station. All of our plant and equipment has completed the Capability Resources MDG15 compliance audit which will streamline the Introduction to Site process for the local coal mine sites.

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Building on 100 years of manufacturing expertise, Bradken is embracing continuous improvement and taking a new approach to support their customers in adopting innovative digital mining solutions. From its traditional manufacturing origins, to today's diversified brand, the transformation continues to support the evolution of the mining industry.

CELEBRATING ITS CENTENARY NEXT YEAR, BRADKEN HAS COME A LONG WAY AS A COMPANY SINCE FOUNDERS LESLIE BRADFORD AND JIM KENDALL PLEDGED SOME HORSE RACE WINNINGS TOWARDS A NEW STEEL FOUNDRY IN 1922. WITH HEADQUARTERS IN NEWCASTLE, NSW, BRADKEN BOASTS A GLOBAL NETWORK OF SALES AND SERVICE CENTRES, FOUNDRIES AND MANUFACTURING SITES.

Bradken has built its name in the design, engineering and manufacture of a range of steel plant, industrial and rail equipment. Over time, Bradken has found a calling in the mining industry for quality ground engaging tools, undercarriage systems and buckets, along with mineral processing and fixed plant wear solutions.

The shift in mining practices has changed the way the company operates and there is an increased focus on providing innovative digital solutions to meet service solutions for customers.

Sean Winstone, CEO of Bradken reflected: "It goes without saying that the future is becoming more digitally orientated and Bradken will be able to offer customers a superior

service and experience via digitised solutions at every touchpoint.

"Matching our history of working with customers to understand what they need and value with technology solutions is key to Bradken's future."

Hence the renewed business focus on supporting this growth area in the industry and creating a Marketing and Technology focused business unit.

The Marketing and Technology BU incorporates the dedicated Research and Development team, IT team, along with Marketing and Market Analyses teams. These teams will collaborate and expand to meet the growing industry demands and foster innovative approaches that support the development of digital technology services to support Bradken's products and customers.

These innovations include the integral technologies of condition and performance monitoring for mobile equipment and fixed plant, along with enhancing customer experiences with digital support.

These solutions support Bradken's future growth and take them from being a niche manufacturer into a technology and service provider for its customers, supporting them with safety, maintenance and productivity solutions.

The range of digital technology solutions being produced presents a range of benefits for Bradken and its customers. Customers will have the ability to remotely monitor the wear condition of their G.E.T., undercarriages, and mill liners, for example, and forecast the remaining life on the product to



allow scheduled maintenance to be planned.

This solution also provides safety benefits by removing people from equipment onsite for condition monitoring purposes throughout high production periods.

Further into the technology space, the company has developed an online dashboard and reporting solution for the reporting of data from all its monitoring solutions.

This encompasses a range of product specific widgets, as well as a cloud-level software reporting suite.

THIS INNOVATION IS THE KIND OF THING NO ONE EXPECTED OF BRADKEN 10 YEARS AGO, BUT IS FAST BECOMING A REALITY AS THE COMPANY TRANSFORMS TO CONNECT WITH THE FUTURE OF MINING.

A key focus for Bradken moving forward is the concept of interoperability, and open-architecture design on this monitoring software. Bradken has collaborated with customers to determine requirements from a cybersecurity, architecture and

documentation perspective.

Reece Attwood, Research & Development Manager has noted, "We've really listened to our customers feedback and implemented it so the end product suits their operations and solves their problems, our technology solutions will also be ideal for future customers."

But to transition from manufacturer to a broader service provider doesn't happen overnight.

To ensure Bradken accommodates rapid technological adoption, the teams have integrated new roles, skill sets and specialists. Of course, COVID-19 has accelerated this adoption for Bradken, as for the wider industry.

Remote monitoring is now a necessity rather than a bonus and realising this, Bradken is remaining connected with its clients around the globe, without the need to travel on site.

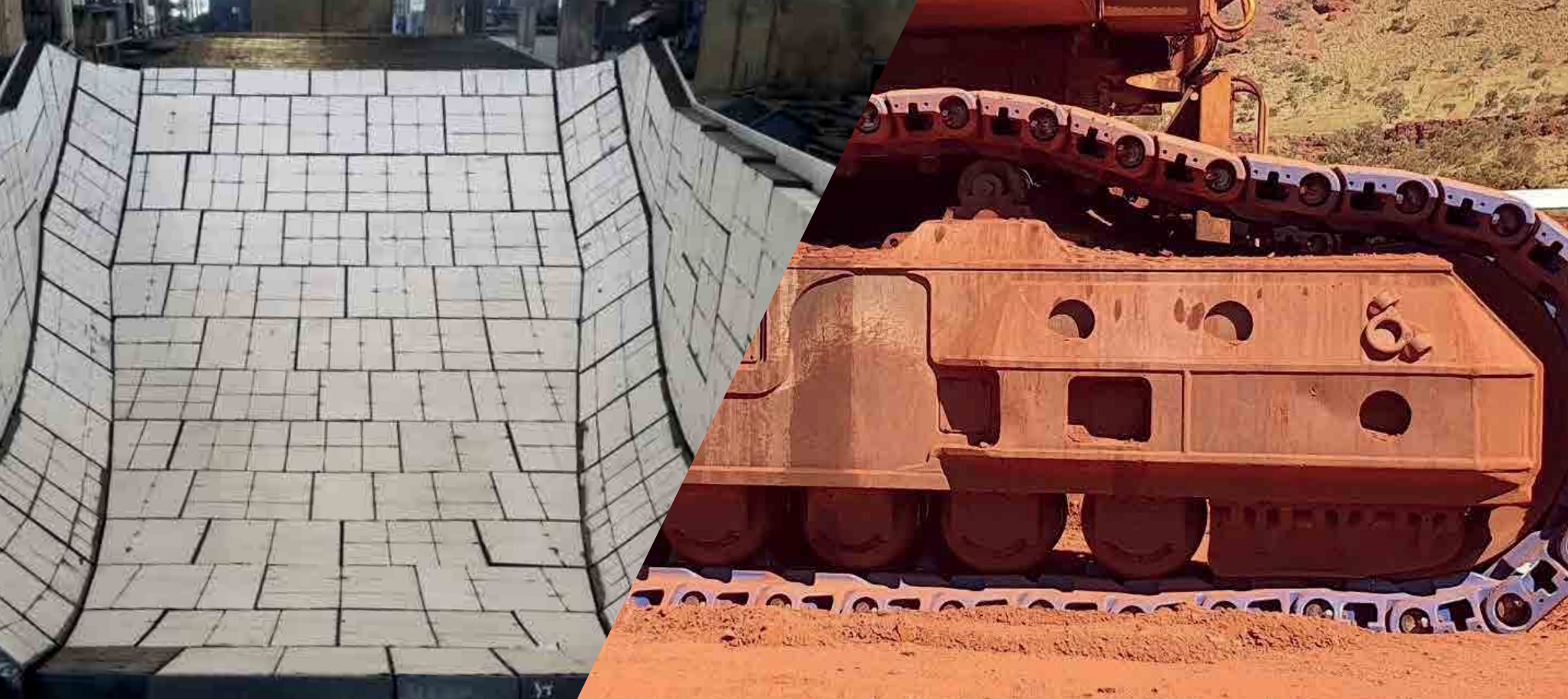
"Previously we would have preferred our own sales teams monitoring the products in-person. But for now, our sales teams are interacting with our customers behind the scenes. The fewer hands on the equipment and fewer people on site, the safer and more manageable for the mine operators in current conditions," Attwood concludes.

Reinforcing the digital solutions focus even further, the company recently announced the establishment of a new Marketing and Technology business unit, led by mechatronics engineer and Bradken stalwart Mark Hurley.

Hurley said that supporting customers through their own digital evolutions was at the heart of his team's vision and Bradken's future.

"Bradken is proud of the 100 years of manufacturing history and of the customers we continue to serve. Their needs are changing and we are committed to joining them on that journey to deliver innovation through digital product and service solutions, which improve site safety and sustainability, while lowering total costs of ownership."

FIND OUT MORE ABOUT BRADKEN'S TRANSFORMATION AT BRADKEN.COM



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COMMUNITY GIFT

MUSWELLBROOK VIEW CLUB

THIS MONTH THE COMPLETE PARTS AND @ THE COALFACE \$500 COMMUNITY GIFT GOES TO THE MUSWELLBROOK VIEW CLUB.

VIEW, which stands for Voice, Interests and Education of Women is a national women's volunteer organisation with over 14,000 members in close to 300 communities. They exclusively support children's education through The Smith Family charity. Members sponsor students, volunteer, fundraise and advocate to improve the life outcomes of disadvantaged Australian children and young people.

Muswellbrook VIEW Club has 24 members and these dedicated ladies sponsor three disadvantaged students through The Smith Family's Learning for Life program. They provide these students with educational and personal support throughout their entire education. With one in six young Australians living in poverty, programs like these are needed more than ever.

This year has been particularly challenging for students experiencing disadvantage, having to undertake remote learning due to

COVID-19. Many don't have access to a reliable internet connection, an appropriate device, or a comfortable, quiet space to do their schoolwork. This puts them at risk of falling behind their more advantaged peers. President of the Muswellbrook VIEW Club Nancy Bullard said joining VIEW, or becoming a sponsor, has never been more important.

"This year has been extremely tough on children experiencing disadvantage, with COVID-19 exacerbating many of the challenges they already face. This is why VIEW is so passionate about supporting the work of The Smith Family, because it's through education that we can help break the cycle of poverty and allow these children to create better futures for themselves," Nancy said.

"We support these students through their entire education, whether that ends with school, or they go on to further education. It is so pleasing to receive correspondence from the students we have sponsored and what we find is that later in their



lives many of them find ways to give back, bringing it to a full circle."

Nancy, who has been a member of the Muswellbrook VIEW Club for over 40 years says that joining VIEW is not only a wonderful way to help children in need, but also a great way to get involved in your local community.

"FOR ALL OUR MEMBERS, IT'S MORE THAN JUST VOLUNTEERING. IT'S ALSO ABOUT BEING PART OF A SUPPORTIVE AND SOCIAL NETWORK WITH A COMMUNITY OF LIKEMINDED PEOPLE."

The Muswellbrook VIEW Club meet the second Thursday of each month at Muswellbrook Workers Club for lunch where they stay updated on Club happenings. They also invite guest speakers from all walks of life to share their stories.

Along with the lunches, they hold social outings targeted around supporting local businesses and conduct fundraising activities like their annual fashion parade held in collaboration with the Denman VIEW Club. They also hold raffles, donate school supplies at the beginning of every school year and provide new clothing for The Smith Family

annual Winter appeal.

It was a privilege to join these wonderful ladies for their first lunch back after lockdown and learn more about the important work they do. The strong friendship between these women was evident and you could see how rewarding they found their cause of helping and supporting younger generations of women.

I encourage anyone who is considering a way to give back to their community to consider joining the ranks of the Muswellbrook VIEW Club. Not only will you be helping with the education of young women, but I guarantee you these amazing women will be able to educate you on a thing or two!

TO FIND OUT MORE ABOUT JOINING VIEW, VISIT VIEW.ORG.AU OR CALL 1800 805 366. TO SPONSOR A CHILD THROUGH THE SMITH FAMILY, VISIT THESMITHFAMILY.COM.AU OR CALL 1800 633 622.



(L-R) ANIRUDH SATISH NAIR AND RHYLEE VANOGSTWAARD PLAYING BASKETBALL AT SINGLETON PCYC.

SCORE FOR SINGLETON PCYC

BASKETBALLERS AT SINGLETON PCYC ARE EXCITED TO SEE THEIR HOOPS SCORES IN BRIGHT LIGHTS ON THE NEW ELECTRONIC SCOREBOARD THANKS TO A \$1,500 DONATION FROM YANCOAL AUSTRALIA'S MOUNT THORLEY WARKWORTH (MTW) OPERATION.

The basketball program has significantly grown in popularity with the juniors. The installation of a new electronic scoreboard will enable the PCYC to host competitions and bring more excitement to the games, allowing the spectators to view the score in real-time.

David Andrews, Club Manager for Singleton PCYC was thrilled with the new scoring system.

"We have around 900 members at Singleton PCYC and our Aussie Hoops program is becoming more and more popular with the 650 junior members at the centre.

"Basketball is a great sport that keeps you fit and active. Depending on how members like to exercise, they can come and shoot some hoops solo or with a couple of mates or get involved in the teams and competitions that the PCYC hosts.

"THE NEW SCOREBOARD IS A STURDY, HIGH QUALITY, TIME MEASURING AND SCORING DEVICE AND WE EXPECT IT WILL HELP DRIVE INTEREST IN OUR BASKETBALL PROGRAM. WE ARE THANKFUL TO MTW FOR THEIR DONATION," SAID DAVID.

The PCYC is a charity empowering young people to reach their potential through Police and community partnerships. With 55 years of service to young people of the Singleton district, PCYC Singleton provides quality activities in a safe, fun, friendly environment.

Mount Thorley Warkworth General Manager David Bennett welcomed the opportunity to boost the facilities at Singleton PCYC.

"The PCYC provide an invaluable service to the local youth and wider Singleton community, always offering programs that aim to build on young people's skills and help shape them as leaders of the future.

"Now more than ever, we need to come together as a community and we are pleased we can help support Singleton PCYC enhance their centre," said David.

THE DONATION WAS PART OF THE YANCOAL MOUNT THORLEY WARKWORTH (MTW) COMMUNITY SUPPORT PROGRAM. THE PROGRAM FOR 2022 IS OPEN FOR APPLICATIONS, FOR ANY QUERIES OR FOR MORE DETAILS REGARDING THE APPLICATION PLEASE CONTACT MTW.CSP@YANCOAL.COM.AU

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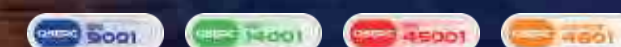
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LOCAL GOLFERS IN THE UPPER HUNTER WILL TAKE TO THE GREEN TO TEE OFF FOR CANCER COUNCIL'S THE LONGEST DAY ON MONDAY 13 DECEMBER.

The Longest Day is the ultimate golf challenge where golfers play 72-holes of golf - four rounds in one day - at their club to raise funds for Cancer Council.

Cancer Council's Community Relations Coordinator, Gemma Pedri said their goal is to raise \$1.5 million

with the support of 130 golf clubs who will allow players to take on the challenge for free.

"We know how much The Hunter Region golf clubs like to give back and make a positive difference for the community affected by cancer, so we encourage any club who is not yet involved to register," said Gemma.

"Muswellbrook, Paterson and Easts at Maitland Golf Clubs have all generously agreed to waive club fees for a day in support of Cancer Council and we have other local clubs helping promote the event too."

"THE LONGEST DAY IS ALWAYS A GREAT DAY AND WE ARE SO HAPPY TO SUPPORT THIS EVENT ONCE AGAIN AND RAISE AWARENESS AND VITAL FUNDS FOR SUCH A GREAT CAUSE!" SAID PGA PROFESSIONAL JASON TAYLOR AT MUSWELLBROOK GOLF CLUB.

All funds raised will go towards Cancer Council's life-saving cancer research, support services, prevention programs and advocacy campaigns. The charity provides a number of local services and

programs for people affected by cancer in NSW, including emotional support, transport and accommodation services, home help, and legal and financial assistance, and more.

In NSW alone, it is estimated that approximately 48,800 people will be diagnosed with cancer in a single year, with around 16,000 deaths expected.

Cancer Council's Community Relations Coordinator, Gemma Pedri thanked Muswellbrook Golf Club and other Hunter clubs for getting involved in The Longest Day.

"We rely on the generosity of our communities to work towards our vision of a cancer free future. It is the support of clubs like those in the Hunter that allows us to continue our work," said Gemma.

"We're really looking forward to seeing what Hunter clubs sign up for The Longest Day challenge. We also encourage all golfers to keep sun-safe and slip, slop, slap, seek and slide, not only on The Longest Day, but each and every day."

IF YOUR CLUB WOULD LIKE TO GET INVOLVED IN THE LONGEST DAY SIGN UP AT WWW.LONGESTDAY.ORG.AU AND TEE OFF TO SUPPORT A CANCER FREE FUTURE.

XMAS PICNIC

A PICNIC AT SINGLETON SHOWGROUND IS THE NEW LOOK FOR SAMARITANS CHRISTMAS LUNCH IN SINGLETON. THANKS TO NORTHERN AGRICULTURAL ASSOCIATION, THE PLANS ARE WELL UNDERWAY FOR GUESTS TO COLLECT A HAMPER, PICNIC RUG AND GIFTS TO ENJOY ON THE LAWN AREA UNDER THE SHADE OF THE SHOWGROUND'S ESTABLISHED TREES ON CHRISTMAS DAY.

The Lunch is inclusive and organised specifically for those who may otherwise be unable to celebrate.

"We are so grateful to the Association in partnering with us and astounded at their generosity to come on board as in-kind sponsor for 2021," said Event Coordinator, Kim-Cherie Davidson.

2021 has been an unpredictable year and all organisations have needed to adapt and pivot quickly. The Picnic concept has been created for Samaritans to deliver Christmas cheer socially as a picnic or under health-order restrictions as an express lunch and gift pick up on Christmas Day to keep the community safe.

NAA president David Williams OAM said the

Association had received several state and federal grants during the past 18 months and wanted to give back to the community.

"When we heard the Lunch was looking for a new home for the flexible concept, we put up our hand to help. We saw it as an opportunity to support the town by helping those less fortunate during Christmas. It is a great thing to give at this time of year," Mr. Williams said.

ON CHRISTMAS DAY BETWEEN 11AM AND 1PM, HAMPERS WITH FOOD, DRINKS, PICNIC BLANKETS, AND GIFTS, CAN BE COLLECTED FROM THE BISTRO UNDER THE SHOWGROUND'S GRANDSTAND TO ENJOY ON THE ADJACENT LAWN UNDER THE SHADY TREES, OR TAKEN TO THE GUEST'S PREFERRED LOCATION.



NAA PRESIDENT DAVID WILLIAMS AT THE CHRISTMAS LUNCH IN SINGLETON'S NEW VENUE, SINGLETON SHOWGROUND.

Again, this year's Lunch works in partnership with the Anglican Parish of Singleton under Reverend Michelle Hazel-Jawhary, and to date has been supported by Glencore's Mt Owen Glendell Operations, Yancoal's Mt Thorley Warkworth, BHP, Thiess and the Bloomfield Group Foundation.

"The event is just not possible without the generosity of the local Parish, sponsors, supporters and volunteers. We are asking the local community to help where they can as a sponsor, donor or volunteer," Ms Davidson said.

CHRISTMAS PICNIC LUNCH IN SINGLETON WILL BE AT THE SINGLETON SHOWGROUND FROM 11AM TO 1PM ON CHRISTMAS DAY. TO BE A SPONSOR, DONOR OR VOLUNTEER EMAIL [KIMCHERIE.DAVIDSON@SAMARITANS.ORG.AU](mailto:kimcherie.davidson@samaritans.org.au) OR PHONE 0427 867 969.

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SUPPLIER INSIDER

TRUFLO PUMPS

Tell us about the business?

Truflo Pumps’ core product focus is the design and building of bespoke dewatering pumps, water transfer and ancillary equipment for the mining, construction, tunnelling and municipal industries. The company’s driving force is to produce equipment that is simply outstanding, the go-to-gear for industry professionals hence our catchphrase “When it matters ...”

How long have you been doing business?

This family business has been in operation since

1990 but in the Year 2000 underwent a major change in direction from the original company. The company name was changed from Bathurst Irrigation to Truflo Pumping Systems Pty. Ltd. to better represent its rapidly evolving dynamics.

How many people work for the business?

Truflo Pumps employs approximately 70–80 full-time and permanent casual staff across its business with branches/warehouse in Qld and WA as well as a dedicated International Sales Consultant based at our Head Office.

Describe a typical day at ‘The office’.

There is never a dull moment at Truflo Pumps, it is a hive of activity right throughout the year. There are daily and weekly meetings with our management, sales team, engineers, and spare-parts in a highly organised team effort. The directors are an integral part of these planning / strategy meetings and, while it is extremely busy, there is a huge amount of camaraderie between all levels of staff that helps make the effort lighter.

What’s the best thing about the business?

The company’s over-riding commitment to excellence develops an incredible amount of pride and ownership by all the staff in the products that are built. These are not hollow words: the pride of craftsmanship simply shines out from each product, truly earning the title of “Legendary Dewatering Pumps”. The benefit of this pride of ownership being that clients receive a product guaranteed to surpass their highest expectations. It is the Truflo Pumps team that makes this happen.

Many of our clients have a fleet of Truflo pumps with some having more than 25 units on one site which is an incredible testament to the quality and performance of the product.

The worst thing?

The temperature in Winter! Bathurst can regularly drop below 0°C during May through to August. Big equipment means big doors and when they slide open it tends to let in a bit of a breeze, however the Spring and Summer months make up for the cold months.

What are the biggest challenges facing your business?

Aside from COVID-19 challenges (because staff tend to travel interstate and internationally a lot), expanding a highly qualified team can also be challenging in regional Australia – even when generous above-award wages and heaps of overtime are on offer. Truflo Pumps build pumps to perform and outlast competing products at a fair price, however imported inferior products competing on price alone can be a challenge as is the case in any industry.

What is the biggest opportunity for your business right now?

Truflo Pumps is proudly Australian-owned and Australian-made. Let’s say that again, Truflo Pumps design and make over 90% of its pumps and equipment in Australia – this generates opportunity when a product is a linchpin in something like a mining production sequence. The opportunity is found in creating not only what the customer wants but also in elevating the possibilities a client can confidently visualise when using awe-inspiring equipment which exceeds their expectations.

What is the business most proud of?

The company is very proud of its minimalist roots, commencing from a small

agricultural irrigation family concern and growing to a truly innovative business with product servicing operations all over the world (equipment highly regarded by peers), yet without losing the essence of family and a sense of belonging that is so unique to regional Australia. This has only been achieved because of the vision, belief and tenacity of the founding family over the past 32+ years.

Community or other causes close to its heart and values?

Consistently and as a company, Truflo Pumps have over the past supported various charities including Careflight, the Rapid Relief Team, and Jeans for Genes Day (childrens’ cancer research) including holding morning teas to show social and community support for some charities.

Any funny or heartwarming stories to share?

Sometimes when a person is on the phone, the good-natured banter carries through to the other end of the line which, to be sure, may create some quizzical looks. There is an emphasis on an easy-going, laid-back style in the workplace, even to where a monthly work-supplied barbecue and catch-up is held. The cakes and cooking that come from the Directors’ wives are unbelievably good. If you call Truflo Pumps, rest assured that the sound you hear on the phone is not a riot in progress!

Any employees that deserve a shout out?

The Truflo Pumps’ Team deserves a shout-out as a whole – every person of the team is a valued member. The thing that makes Truflo Pumps’ products inspirational is generated by the individuality of a team building something of outstanding worth.

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MY MINING LIFE

Luke FORWARD

Who are you and what do you do?

Hi! I’m Luke Forward, and I’m Haulage supervisor at BHP Mt Arthur Coal.

When did you start in the mining industry and what was your first job?

I started by doing an Operator traineeship at HVO in 2010.

How different is your job now to what you wanted to be when you were a kid?

A lot different – I loved music from a young age and really wanted to do anything involving the music industry but once I started in mining I really enjoyed how everything works and how every department fits the puzzle in the running of a mine.

What’s a usual day at work entail?

As a Haulage Supervisor my day will start with checking on my Dispatch team ensuring they are enabled to be able to achieve record production, then it’s prestart, pit inspections and looking for options to maximise haulage and ensure everything is running efficiently.

What’s the best thing about your job?

I really enjoy the challenge

but mostly how complex the role is, you really need to know about every department and be talking to a lot of different people to make sure you have an in depth knowledge of what challenges might come up that can affect the plan.

The worst thing?

There isn’t a lot of stuff I can complain about (boring I know).

What’s the biggest challenge you’ve had to overcome?

My boss would agree here, it would have to be my professionalism. It’s something I have worked really hard on from coaching, to 1 on 1’s and a few great books.

What has been your proudest achievement?

My proudest achievement when it comes to work is getting to work on a few projects to optimise trucking strategy to lower cost and my proudest moment outside of work is studying Engineering.

What’s something about your job that would surprise people to know?

How much a good dispatch team can optimise production and lower cost is one, but I would also say it’s completely unachievable

without an A1 production supervisor team and industry leading operators working together. Now that can achieve amazing results.

What’s a funny story about work that you can tell?

I would say, saving a Mt Arthur goat and getting a selfie with it.

What do you do in your downtime?

I study, play guitar, go on hikes and I love the beach.

The mining industry gets more than its fair share of criticism. What is your view of our industry and the impact is has?

My view will always come across bias due to the industry I’m in, but I will always be pro coal.

It’s easy to explain all the negatives about an industry from people who are not in it, but you just need to look around and see all the cars and phones and buildings all made because of coal.

It might come across shallow but if the emissions were the biggest issue to plague the world, our Power Station’s would be forced to have carbon capture. I think there’s still plenty of life in coal and plenty of ways to approach coal that can please both sides.

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IN A DIZZY?

WHILE FEELING DIZZY IS QUITE COMMON AND NORMALLY NOTHING TO WORRY ABOUT, FREQUENT DIZZINESS MAY BE AN INDICATION OF A MORE SERIOUS HEALTH ISSUE.

Dizziness can be a range of sensations including feeling light-headed, faint, woozy, unsteady, or off-balance. Then there is vertigo which is a type of dizziness that feels as though you or your surroundings are spinning.

Many parts of your body such as your eyes, brain, inner ear, and nerves in your feet and spine, work together to keep you balanced. When a part of that system is off, you can feel dizzy.

Inside the inner ear is a series of canals filled with fluid. These canals are oriented at different angles and, as the head moves, the movement of the fluid inside these canals tells the brain how far, how fast and in what direction the head is moving. This information is then used by the brain to move the eyes an equal and opposite amount, so that the image that is 'seen' by the eyes does not blur and remains clear.

Illnesses that affect the inner ear are one of the most common reasons for dizziness however there are many other things that may be causing you to experience frequent dizziness.

Low blood pressure, heart problems, migraines, dehydration, heat exhaustion, stress, anxiety disorders such as panic attacks and even medications could be causing your dizziness.

TO HELP ASCERTAIN WHAT'S CAUSING YOUR DIZZINESS IT'S IMPORTANT TO TAKE NOTE OF

ANY OTHER SYMPTOMS THAT MAY ACCOMPANY IT. SYMPTOMS TO WATCH FOR ARE; HEADACHE, NAUSEA, VOMITING, RINGING OR OTHER SOUNDS IN THE EARS, DIFFICULTY HEARING, LOSS OF COORDINATION, UNUSUAL EYE MOVEMENTS AND FINDING IT DIFFICULT TO SEE CLEARLY WHEN MOVING.

If you are having recurrent, sudden, severe, or prolonged and unexplained dizziness or vertigo, especially when it is combined with other symptoms, it's time to head to the doctors to determine what the cause is. There are medications for treating dizziness, however determining the underlying condition and treating it is the preferred option.

While it can be understandably difficult to describe the dizziness you are experiencing to your doctor, the more you can describe it and the circumstances in which it occurs can be very helpful in reaching a diagnosis so pay attention to what else is going on when you are feeling dizzy.

For infrequent dizziness, the best and easiest way to resolve it is by simply stopping what you are doing when you feel dizzy and sitting or lying down until it passes. Drink lots of water, rest, and avoid sudden, fast movements of the head. There are also balance exercises that can help with dizziness. And lastly, stay off the roundabout at the park.



CS HEALTH IS PARTNERING WITH PHARMACY GUILD OF AUSTRALIA TO DELIVER FAST, EFFICIENT AND SAFE VACCINATIONS AGAINST COVID-19 FOR WORKERS ACROSS OUR COAL MINING INDUSTRY.

Working with community pharmacists, vaccination doses will be available with little or no wait times, close to where people work or live, and from trained pharmacist professionals.

Acting General Manager of CS Health, Kirsty Bates, said the partnership demonstrates their commitment to working together with industry and local businesses to make it easier to protect workers.

"We were looking at ways to help boost vaccination numbers in regional areas and supporting efforts for our communities to return to normal. The Pharmacy Guild's online portal will help workers locate and book a vaccine appointment near them."

TO BOOK YOUR VACCINATION IN A LOCAL COMMUNITY PHARMACY VISIT WWW.PHARMACYBOOKINGS.COM.AU/GCH/CSH21019C



AFTER A THRICE POSTPONED 2020 AWARD CEREMONY, THE HUNTER SAFETY AWARDS ARE BACK TO NORMAL FOR THEIR 2022 AWARDS, WITH MAJOR SPONSOR AGL CONTINUING THEIR SPONSORSHIP OF THE LOCAL AWARDS.

Proving their ongoing commitment to safety, the energy provider will also be sponsoring one of the 14 award categories. Submissions are now open and eligible to local businesses who have integrated work, health and safety as part of their core business.

AGL General Manager Liddell and Bayswater, Len McLachlan said AGL is proud to sponsor the Hunter Safety Awards in 2022.

"At AGL our priority is reliably providing essential services for our customers and our communities – but doing so with safety as a non-negotiable consideration," Mr McLachlan said.

"We have been impressed by the

work that businesses in the Hunter region have done to put health, safety and wellbeing first.

"The COVID-19 pandemic has presented its own set of challenges in managing a safe workplace and emphasised the importance of prioritising mental health in the workplace.

"EVERY YEAR, SUBMISSIONS SHOWCASE THE INNOVATIVE WAYS BUSINESSES AND INDIVIDUALS ARE COMMITTING TO SAFETY, ENSURING THAT NOT ONLY THEIR WORKPLACE IS SAFE BUT THE WIDER COMMUNITY TOO."

After the COVID-19 pandemic forced the 2020 Hunter Safety Awards to be postponed to 2021, the team were

hopeful the winners would get a second chance to dress up to celebrate the occasion.

However, the pandemic had other plans. The most recent outbreak meant the award

ceremony, due to be held in August this year, had to be cancelled.

The Founder and driving force behind the Hunter Safety Awards, Sarah-Jane Dunford said the decision to cancel following the postponement was difficult, but necessary.

"As the leading, and only awards in the Hunter region dedicated to safety, we had to lead by example," Sarah-Jane said.

"We were monitoring the situation closely and as it grew worse; we knew we had to cancel the event. In the end, we made the right decision as the outbreak in the Hunter soon got out of hand."

Instead, the 2020 winners were announced virtually on social media and the website.

"With all signs pointing to a more 'normal' awards for 2022, we are really encouraging people to enter the safety awards and get the recognition they deserve," Sarah-Jane concluded.



Submissions are now open for the 2022 awards WWW.HUNTERSAFETYAWARDS.COM.AU

Applications for all submissions will close 19 November 2021



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Two cows are standing next to each other in a field. Daisy says to Dolly, "I was artificially inseminated this morning."

"I don't believe you," says Dolly.

"It's true, no bull!" exclaims Daisy.

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For more information www.service.nsw.gov.au/transaction/apply-covid-19-business-support-hardship-review

Dave Layzell MP
MEMBER FOR UPPER HUNTER

✉ upperhunter@parliament.nsw.gov.au
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📍 20 Bridge Street, Muswellbrook NSW 2333

Authorised by Dave Layzell MP, 20 Bridge Street, Muswellbrook NSW 2323
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Australian owned and operated, The Bloomfield Group has been part of the Hunter Valley community for more than 80 years. We are proud of our commitment to our community.

The less we say here, the more space left to mention the organisations we've recently supported...



► Australian Museum of Clothing (Maitland) ► Bears of Hope ► Benwerrin Rural Fire Brigade ► Cancer Council NSW
► Darlington Rural Fire Brigade ► East Maitland Scout Group ► Got Your Back Sista ► Gresford Public School
► Hunter Medical Research Institute ► Lifeline ► Maitland Football Club (juniors) ► Maitland Little Athletics
► Maitland Rugby Blacks Netball (juniors) ► Maitland Show ► Maitland Triathlon Club ► Mates in Mining
► Movember ► MS Research Australia ► Police Citizens Youth Club (Singleton) ► Prison Fellowship Australia (Hunter)
► Salvation Army ► Singleton Business Chamber ► Singleton Hospital ► Singleton Legacy ► Singleton Men's Shed
► Singleton Neighbourhood Centre ► Singleton Netball Association ► Singleton Show ► The Samaritans
► Tour de Cure ► University of Newcastle ► Variety (the Children's Charity) ► Youth Off the Streets.

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Tent poles may just be the worst possible invention of all time, and why are they so damn hard to put together? The all new Qube tent uses new technology that pumps your tent up for you. That's right, no more poles. The excitement doesn't stop there either. The Qube tent has a modular design allowing them to connect together with a Universal tunnel. Picture building your own camping fortress with your mates, with a tunnel leading you from one Qube to the other. Available in black, red, blue, orange and green, the Qube looks the part while amplifying your camping experience.



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Tested with the United States Marine Corps, the Reckless is the ultimate military off highway vehicle. Totally electric the vehicle can go from 0 to 100 kilometres per hour in just over 3 seconds and its modular capability can plug and play with a remote weapons station and military drones. The Nikola Reckless is nearly silent, has a low thermal signature and with 4 motors, can still operate at high performance if one gets damaged. It's also waterproof and can be submerged in water for up to 1 metre for 30 seconds. There's not much this vehicle can't do.

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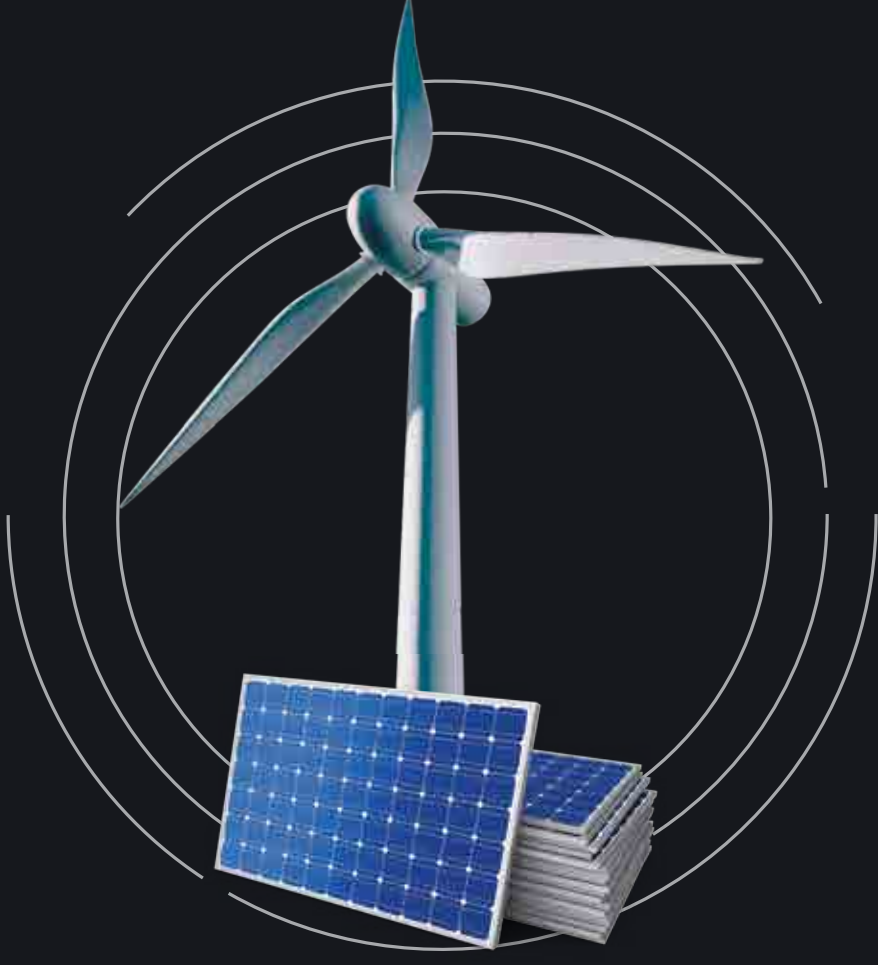


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IF YOU'VE EVER WANTED TO EXPLORE OUR BEAUTIFUL UNDERWATER AUSTRALIAN COASTLINE BUT DIDN'T WANT TO FORK OUT FOR SCUBA DIVING LESSONS ON TOP OF ALL THE GEAR, THIS IS THE PRODUCT FOR YOU.

Scuba diving gear is not only ridiculously heavy and bulky, but it can also cost an arm and a leg and that's without lessons on how to use it safely. BLUE3 have released a compact tankless diving system with the only requirements for use being you're able to swim 200 metres without stopping and able to tread water for 10 minutes continuously. The Nemo dive system only weighs around 6.5 kilograms and supports a diver up to 10 feet with a rechargeable battery pack that lasts over an hour. Air is drawn to from the surface above the water and pumped through the air hose, delivering an hour of air while you explore the stunning reefs, coral and marine life that our underwater world has to offer. Don't be a Dory, dive like a pro with Nemo.

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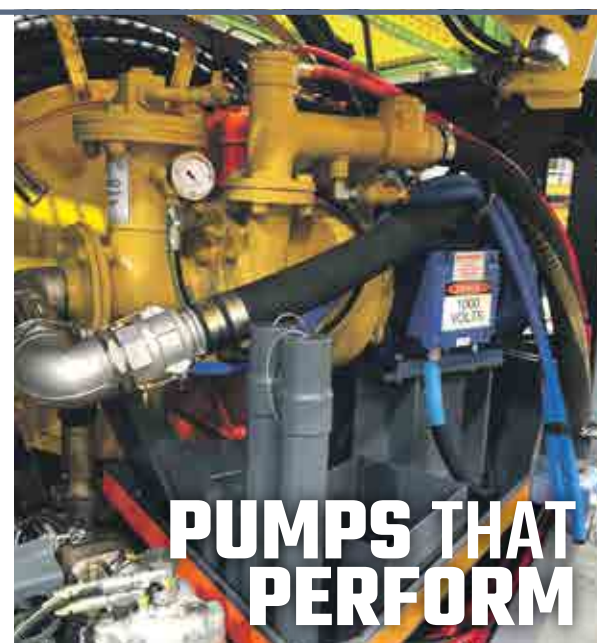
AVAILABLE AT TECPRO, THE DUSTROID™ INTRODUCES A SIMPLE TO INSTALL, ACTIVE PARTICULATE DUST MONITORING SYSTEM.

Many industries have begun investing in active particulate dust monitoring equipment. One of the newest systems in Australia is called the Dustroid™ - a smart, real time suspended particulate dust monitor. The Dustroid™ system actively samples the environment using a constant airflow rate of 1 litre per minute. It then measures and analyses the particulate dust matter using a highly accurate laser beam. As a result, the Dustroid™ system is particularly useful for Mining. When the particulate dust levels exceed the nominated threshold, automatic alerts are triggered, and weighing only 6.5kg's operators can move the system around with ease between or within sites.

TRUFLO'S JUMBO PUMPS ARE A HIGH PERFORMING HARD ROCK FACE DEWATERING SOLUTION DESIGNED SPECIFICALLY FOR JUMBO DRILLING RIGS USED IN SHORING APPLICATIONS.

Jumbo Pumps have an output rated precisely at 10-12L/sec up to a 70m head and are built to withstand the most challenging work environment while outlasting typical submersible pumps being used as face pumps. Manufactured with extremely durable high chrome iron and fast change impeller shimming gaskets that ensure peak performance, these pumps can last up to three times longer than submersible pumps traditionally used in decline developments. Designed to handle the specific needs of hard rock face mining, the hard wearing Truflo Jumbo Pumps are manufactured to better handle the tough shotcrete fibres used in shoring than competing pumps.

WWW.TRUFLOPUMPS.COM.AU



BETTER BLASTS

ORICA UNVEILS SECOND GENERATION THROUGH-THE-EARTH, FULLY WIRELESS INITIATING TECHNOLOGY AT MINEXPO 2021.



WWW.ORICA.COM

Development based on more than 2,300 successful WebGen™ 100 blasts around the world, Orica's WebGen™ 200 technology has been designed with customers' needs and feedback built-in as they look to further improve safety and productivity across their operations. WebGen™ technology provides for groups of in hole primers to be wirelessly initiated by a firing command that communicates through hundreds of metres of rock, water, and air. This completely removes constraints often imposed by the requirement of a physical connection to each primer in a blast and importantly allows you to remove people from harm's way. Engineered to deliver market leading safety and reliability, WebGen™ 200 has been built with enhanced capabilities, security and versatility, ensuring it meets the extreme mining conditions faced by surface and underground customers pushing the boundaries of mining's next frontier.

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An industry pioneer for mining excavators with more than 100 years of experience across group companies, Hitachi EX8000-7 brings you advanced fuel optimisation technologies, state of the art safety features and a focus on easy maintenance and operation. The EX8000-7 excavator is engineered to tackle the most demanding jobs, whilst maintaining superior operator comfort. Taking the operator experience to new heights, featuring electronic joysticks, an intelligent multifunctional display, advanced air suspension seating and improved climate control. With a front attachment design that prioritises performance, the EX8000-7 achieves superior productivity and reliable digging power across different mining profiles.

WWW.HITACHICM.COM.AU



RAYVEN ANNOUNCE THE LAUNCH OF 14 MINING: A SUITE OF NEXT GENERATION INDUSTRY 4.0 DIGITAL MINING SOLUTIONS.

The new suite of completely interoperable digital mining solutions has been launched to accelerate the mining sector's transition to a profitable zero-harm, zero-carbon, zero-waste future. The 14 Mining suite of digital mining solutions is designed to help miners quickly adopt Industry 4.0 technology and begin transforming to commodity businesses, whilst delivering measurable results and ensuring profitability in the present. Offering 6 ready to deploy solutions they are easy to use and are commercially viable at-scale; so that you can spend the time and expense that usually goes into planning and development hyper customising and optimising your solution in the field – reducing risk and delivering a measurable ROI in weeks.

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YOU MAY RECALL A RECENT ARTICLE OUTLINING WHAT WAS PROMISED TO BE ON SHOW AT MINEXPO 2021. AS EXPECTED, OEMS AND SUPPLIERS FROM AROUND THE WORLD TOOK THE OPPORTUNITY TO SHOWCASE THE LATEST AND GREATEST IN NEW MINING TECHNOLOGY. THESE ARE SOME OF INNOVATIONS THAT ARE SURE TO BREAK GROUND IN THE COMING YEARS.

HARD-LINE'S AUTO ROCKBREAKER

Hard-Line is disrupting the mining industry with the latest in automation technology for the rock breaking process. The Auto Rockbreaker gives operators the ability to automate many tasks, with a single operator able to control multiple booms, quickly switching between sites as needed, all with the touch of a button.

Operators can autonomously deploy, park, and manoeuvre their hammer by simply pressing a button on a user interface. The latest autonomous innovation from HARD-LINE allows operators to remove themselves from dangerous locations and complete rock breaking tasks from a safe distance.

Providing solutions for limited visibility, poor depth perception, and high latency, the system uses a suite of sensors, such as lidar and cameras to see the environment. The sensor information is then processed by cutting-edge computer vision and machine learning algorithms to understand the environment.

AUTONOMY IN FOCUS AT MINEXPO 2021

PRONTO'S A2B AUTONOMOUS MINE HAULAGE SYSTEM

Newcomer Pronto AI have developed an autonomous haulage system known as A2B. Their solution can be installed on almost any type of truck, as a "simple plug and play".

A2B it says can be installed on virtually any OEM brand and type of truck, whether rigid, ADT or even a class 8 semi. It is 'plug and play' with existing and mixed fleets so there is no new equipment to buy or complex additional maintenance.

Operators can command a single unit or the entire fleet remotely, and view live video and data feeds, select haul routes, dispatch units, adjust loading and dumping locations on the fly, get real-time maintenance alerts, and respond to collision threats.

A2B uses cameras as the primary sensors (with radar as secondary), so it can operate safely even in low-bandwidth limited GPS settings. Camera, radar, GPS and multiple neural networks work together to instantly detect and avoid people, vehicles, equipment, debris, berms, animals, edges and other threats.

ORICA'S WIRELESS BLASTING SYSTEM

Orica unveiled its second-generation 'through-the-earth', fully wireless initiating system, WebGen 200.

A development based on more than 2,300 successful WebGen 100 blasts around the world, the technology provides for groups of in-hole primers to be wirelessly initiated by a firing command that communicates through hundreds of metres of rock, water, and air. This completely removes constraints often imposed by the requirement of a physical connection to each primer in a blast and importantly allows the removal of people from harm's way. "Engineered to deliver market-leading safety and

reliability, WebGen 200 has been built with enhanced capabilities, security and versatility, ensuring it meets the extreme mining conditions faced by surface and underground customers pushing the boundaries of mining's next frontier," Orica says.

With over 1,100 exhibitors at MINExpo this year, this selection is a mere snippet of mining technology that was on display. Next month, we will continue, with a look at the advancements in electrification and efficiency from some of the leading OEMs.



PRONTO'S A2B AUTONOMOUS MINE HAULAGE SYSTEM (PHOTO COURTESY OF PRONTO)

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DESMOND'S NRLW DEBUT

with the NSW Minerals Council coming on board as a foundation partner and major sponsor. Joining the new team, Phoebe brings a wealth of experience as a player while also continuing to work full time in the Hunter regions mining industry. Phoebe told @ The Coalface that being selected for the Newcastle Knights women's team still feels surreal.

"I PROBABLY UNDERSELL IT AND DON'T GET ME WRONG I AM EXCITED, BUT I DON'T THINK IT WILL REALLY SINK IN UNTIL THE TIME COMES THAT I RUN ONTO THE FIELD FOR MY FIRST GAME."

"We are a squad of 24 so ideally you need to make the top 17 to get a run; for me the goal is to get into that top 17."

Originally meant to start in September-October 2021 the season has been put on hold due to Covid until early into the new year.

"Training was supposed to start in June, but obviously Covid has kept delaying it so at this point in time we hope to start training in January," said Phoebe.

Juggling shift work with full time footy, the local star has been lucky enough to have the full support of her supervisors at Bulga Coal. "My supervisors and work mates have been really supportive, especially with the NSW Minerals Council coming on board as a major sponsor," said Phoebe.

"They'll bend over backwards

to try and help me where they can and knowing we have the full support of the NSW Minerals Council with mining in my background is a great feeling."

WITH SO MUCH SUCCESS IN BOTH HER MINING AND RUGBY LEAGUE CAREERS, PHOEBE HAD SOME ADVICE FOR ANY YOUNG WOMEN COMING THROUGH THE RANKS: "YOU WILL GET KNOCKED DOWN, YOU WILL GET REJECTED, BUT YOU'VE JUST GOT TO KEEP GOING."

Keep an eye out for Phoebe Desmond in the 2022 season of NRLW. We know this Singleton local is going to be a force to be reckoned with.



SINGLETON LOCAL AND HUNTER VALLEY MINER, PHOEBE DESMOND HAS CLAIMED HER SPOT IN THE INAUGURAL NEWCASTLE KNIGHTS NRLW TEAM.

crack," said Phoebe.

Today, 10 years on, Phoebe continues to work proudly in mining, currently working as an Operator at Glencore's Bulga Open Cut operations.

Also playing footy since the age of 8, Phoebe has been strongly involved in the grassroots of women's rugby league in the Hunter Valley starting the first Singleton women's team for Group 21.

"With rugby league not being so big in Singleton for girls and many of them not feeling comfortable to play with the boys like I did as a kid, being able to give them that opportunity was unreal," said Phoebe.

This year saw the Newcastle Knights put together their first women's team in the NRLW of 2022,

Mining and footy have run in Phoebe's blood since a very young age, and with sheer determination she now has the opportunity to proudly represent both, securing her place in the first ever Newcastle Knights NRLW team. Phoebe was given her start in mining at 20 years of age after applying for a traineeship at Mt Thorley. "My uncle was in mining and so were a couple of my cousins so I thought I would apply and give it a

HOOKED ON FISHING



FIRST LIGHT SPRING SNAPPERS WILL CONTINUE TO BE WORTH TARGETING THIS MONTH.

AS WE HEAD INTO NOVEMBER, WE ARE FEELING THE WARM SPRING WEATHER WITH A HINT OF RAIN AND HOPEFULLY THIS CONTINUES TO SHAPE THE SUMMER FISHING SEASON NICELY.

Plenty of action on the water with the first proper run of Prawns for the season out of the way.

We have Flathead on the chew around the shallow edges throwing soft vibes/plastics, hard bodied or even a slow rolled pilly has been successful around the shallows.

Jewies are turning it on around the structure and Kingfish have been encountered inside as well along the break walls, inside the bay, and in around the Swansea Channel/drop over areas. Live Squid or Cuttlefish have been finding the bites.

OFFSHORE

Snapper are still being encountered in good numbers around the reefs this time of year. With the water clearing up at times it pays to fish light and first or last light. If you're typically fishing plastics as a preference it does pay to float a few baits around as well.

The fishing out wide along the shelf is starting to shape up nicely, at this time of year it's hard to know what to expect as the current hasn't really kicked in but looking at the charts anything could happen overnight. We have been seeing good numbers of Striped Marlin from Coffs down to Port Mac and the odd fish popping up along the coast down to Sydney.

Kings and Bar Cod have been active around Allmark Mountain as well.

BEACHES

With the recent freedoms I can't think of a better way to spend a Spring sunrise or sunset then kicked back on one of our local beaches soaking a few baits and enjoying a brew or two.

What to expect along the beaches?

We will have Bream and Flathead in

the gutters and Tailor and Salmon will be travelling through.

Big beach Jewies will be on the cards from this month. If this is something you're keen to try, then fresh or live baits are the key to success.

DAMS

Fish for days in the local Dams. It's time to bust out the surface lures and let the fun begin.

Both Lake St Claire and Glenbawn have been fishing consistently well and will continue as we head into the summer months.

Keep floatin' - Thrifty's



LET'S GO FISHING!

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AMAZING ANIMAL ADVENTURE

SOCIALISE WITH SQUIRREL MONKEYS, MINGLE WITH MEERKATS AND CHECK OUT THE CHEETAHS AT HUNTER VALLEY ZOO.

The past few months we have been all about experiencing the wonderful local attractions our region has to offer, and this month was no different as we stopped by Hunter Valley Zoo for a day amongst the animals.

Located in Nulkaba just outside of Cessnock, NSW Hunter Valley Zoo is a picturesque sanctuary of natural environments built for the care and safety of its animal residents.

FROM MAMMALS TO BIRDS AND REPTILES FROM AUSTRALIA AND AROUND THE GLOBE, IT'S AN EXPERIENCE THAT YOU'LL NEVER FORGET.

My mum and I were lucky enough to spend a Monday in the sunshine amongst ring tail lemur, Tasmanian devil, meerkat, capybara, American alligator, African lion and so many more amazing creatures big and small.

Upon entry to the zoo, we received ice cream cones full of food to feed the ostrich, goats, sheep, fallow deer and dromedary camels and off we went to find some furry and feathered friends.

We started our loop at the meerkats and watched these extraordinary little mammals scamper around and play together. A fan favourite at Hunter Valley Zoo, you can also participate in an animal encounter where you can get up close and personal with the meerkats as they climb over your lap looking for food.

As we continued our adventure past an array of gorgeous animals, we were delighted by the care and hard work that has gone into each and every exhibit to ensure the animals feel right at home.

When mum and I reached the ostrich, goats and camels we were excited to pull out our animal feed cones and stick them out to give them a nibble. Needless to say, these cheeky buggers tower over humans in size and a nibble quickly turned into munching the entire cone of food out of our hands.

We thought we had learnt our lesson as we made our way to the walk through goats, sheep and deer enclosure...well my mum certainly did. "You head in first," my mum said with a grin.

Little did I know mum had visited the Hunter Valley Zoo a few months earlier and knew just how mischievous they can be.

NONCHALANTLY I MADE MY WAY IN AND QUICKLY FOUND MYSELF SURROUNDED, WITH A GOAT'S HEAD UP MY SKIRT. MY MUM WAS IN STITCHES.

Saving our favourite experience for last, we finished off our day with a booked animal encounter with the squirrel monkeys. We were given a tube of food each and sat down in the enclosure where we were given 20 minutes of messy, monkey mayhem. It was an experience of absolute bliss as the little cuties jumped up onto our laps, arms, legs and shoulders to grab their snacks and treats. Our lovely zookeeper also sat in with us to answer all our questions. Fussy eaters, the squirrel monkeys pulled out food from the tube and if they weren't interested in it, you guessed it, they threw it straight back at us.

As the day concluded, we made our way home covered in a couple of monkey treats and filled with lifelong memories. If you're looking for something unique and excited to do, head to Hunter Valley Zoo. You won't be disappointed.



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