



APRIL 2025

NEXT TRIPS

Nullabor Muster & Old Telegraph Track
Wednesday 23rd April to Saturday 3rd May
Mundaring Powerlines Day Trip
Sunday 4th May

Captain Fawcett Track camping
weekend photos
Brewing day trip report and photos
Carrying Fuel
What is a Diff Lock
Campfire Safety
Blueberry Banana Pancakes
Readers Mart Kimberly Kamper For Sale

Next Meeting
23/4/25

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CLUB CONTACT DETAILS

POST OFFICE BOX 8233

WARNBRO WA 6169

<https://peel4x4club.com>

Club Email: peel4x4club@hotmail.com

Secretary: secretarypeel4x4club@outlook.com

Treasurer: peel4x4.treasurer@gmail.com

Magazine Email: peel4x4magazine@gmail.com

2024—2025 COMMITTEE

President Gary Mayes

Secretary Julie Power

Treasurer Hugh Burns

Vice President / Insurance Officer Dave Knudsen

Environmental Officer Chris Jones

Trip Coordinator Steven Power

Magazine Editor Brian Tanner

Property Officer Jacob Yardley

Delegate Vacant

NEXT GENERAL MEETING

23/4/2025

GENERAL MEETING VENUE

Secret Harbour Surf Lifesaving Club

Doors open 7.00 pm

Meeting starts 7.30 pm

NEXT COMMITTEE MEETING

11/6/2025

COMMITTEE MEETING VENUE

The Burn's home

Membership Fees \$140.00 for the first year then \$90.00 per annum. Pro rata fees will be charged depending on your joining date.



Find us on



Facebook
[peel4x4club](https://www.facebook.com/peel4x4club)



TRIP RATINGS

SCENIC/SOCIAL - sealed roads and some good unsealed roads or tracks. No 4WD experience required. Road tyres are acceptable.

EASY - little or no 4WD experience required. Road tyres are acceptable. Front and rear recovery points at trip leader's discretion.

MEDIUM - low range may be needed with a snatch strap recovery possible. All terrain tyres preferred. Adequate front and rear recovery points, basic recovery gear (snatch strap, 2 rated shackles and gloves). Appropriate driver training preferred.

HARD - Steep terrain or rutted tracks. Snatch strap and /or winch recovery may be required. All terrain tyres acceptable, mud terrain tyres preferred. Road tyres are not acceptable. Adequate front and rear recovery points, basic recovery gear (snatch strap, 2 rated shackles and gloves). Winch and full recovery gear is preferred. The trip leader must take the club winch and recovery equipment.

EXTREME - very steep, deeply rutted tracks or rock hopping will be encountered. Adequate front and rear recovery points, full recovery gear (snatch strap, rated shackles and gloves, tree trunk protector, winch extension, drag chain). Winching will be expected and an electric or motorized winch is compulsory on all vehicles. Mud terrain or swamper style tyres are essential. Appropriate driver training preferred.

PLEASE NOTE

Whilst every attempt will be made to accurately describe and classify all trips, weather and other conditions can alter a trip significantly. The trip leader may alter the trip classification at any time depending on the prevailing conditions.

Please confirm your attendance by contacting the trip leader a few days prior to the trip; this also gives them the opportunity to advise YOU of any last minute changes.

Vehicles without adequate front and rear recovery points are limited to social/scenic and easy rated trips. Visitors are always welcome on scenic/social, easy and medium rated trips.

CONVOY PROCEDURES

1. Trip leader is to call a group meeting prior to start and remind members of convoy procedure.
2. Leader is to appoint a tail end Charlie and safety officer for each trip.
3. Observe road rules at all times.
4. Leader to appoint a trip reporter.
5. All drivers are responsible for their passengers at all times.
6. All vehicles are responsible for the following vehicle when turning off the road and at cross roads.
7. Vehicles leaving convoy for any reason wave on the remainder of the convoy and inform the Tail End Charlie of their intentions.
8. Keep a safe distance behind the vehicle in front of you. Drive within braking distance especially when wet.
9. When off road allow the vehicle in front of you to get over the crest of a hill before you attempt to follow. Wait for the all clear.
10. No vehicle is to pass the trip leader unless directed or in an emergency.
11. Drive with headlights on at all times. Daylight run lamps are not sufficient as tail lights are required to be on to aid visibility
12. All cars to maintain position/order in convoy at all times.
13. Collect magnetic numbers at designated point of dispersal.

TAIL END CHARLIE RESPONSIBILITIES

1. Assists trip leader with convoy as directed.
2. Advises when - Convoy is mobile
 Change in direction is completed
 Member leaves convoy
3. Stays with a vehicle that may leave the convoy for a short stop. Advises trip leader when mobile again.
4. Closes gates etc if advised by trip leader.
5. Ensures cleanliness of area at all stops before leaving.

TIPS TO BECOMING A TRIP LEADER

1. **A Trip:** If there is somewhere you would like to go and would also like to drag the club along with you, why not approach the trip coordinator or another club member and discuss your ideas. Failing that, choose a trip from the club's varied range of notes and maps available.
2. **What Experience Must I Have?** This depends largely on the grade of trip (scenic/ social, easy. Medium, hard, extreme) and area you wish to conduct you trip in. As a rule of thumb, if you, the trip leader feel confident in your abilities, yet realize your limitations, you're in.
3. **Should I Have An Assistant?** YES. An assistant is invaluable in helping to bridge the gaps in your experience and to help balance the decision making, someone who is experienced in 4WD is a good choice. They would normally fill the position of tail end Charlie, providing backup from the rear.
4. **How To Plan A Smooth Trip:** Your trip will only run as smoothly as you plan it. Your pre trip briefing should include convoy procedures, identify tail end Charlie, safety officer, allocation of magnetic numbers, give brief description of what the group may encounter, (the element of surprise doesn't enhance the element of a good trip) and any safety tips eg use of flag.
5. **Flexibility:** At some stage during your trip, things may go wrong such as running behind time, countless recoveries, trapped or lost. Don't despair, things are never as bad as they seem. Don't be afraid to come forward and consult with the group as they are in it just as much as what you are. Pool your ideas and something always comes of it. Flexibility is the key, never be afraid to change your plan.
6. **How To Get Started:** Formulate your intention on paper - where you want to go, time and date and any special features of land marks you wish to include. See the trip coordinator who can help out with maps and advice or give you the name of someone who has been there before. You may also need to contact relevant authorities', eg CALM, caravan parks, road conditions and property owners for further information. The trip coordinator will place your trip on the calendar and organize a sheet to go out at the meeting.
7. **What's The Hardest Task?** Giving It A Go!!: con, bribe, coerce or draw straws to pick some unfortunate soul to write up a trip report for the magazine (definitely the hardest part). So when you reflect back on your trip your hearsay adventures and yourself, umpteen grueling hours up to your neck in mud and leeches, grueling hours of gut wrenching recoveries and those dribble sessions around a campfire. A trip report ending in the words, "Good time had by all" is well worth giving trip leader a go.

NOTE - If you have ever been a trip leader, you will know how frustrating it is when people put their name on the trip sheet then don't turn up! If you put your name down to go on a trip make note of it and if you are unable to attend for any reason (or no reason at all) let the trip leader know so they are not waiting for you. Be punctual too as you being late can cause frustration when we have to meet up with other people along the way or set tour times! If you are running late phone the trip leader.



2025

Annual General Meeting

Saturday 26th July

@ TPDVWA

Total & Partially Disabled and Veterans of WA Inc.

1677 Old Mandurah Road Baldivis

- **4pm Meeting** followed by
- **BBQ** CLUB WILL PROVIDE THE MEAT & CONDIMENTS
- **Members** TO PROVIDE A SALAD OR DESSERT TO SHARE
- **DRINKS** CHEAP BAR PRICES
- **OVER NIGHT CAMPING** SWAG OR CAMPER for those wishing to stay

Hot shower and Toilets

- **AWARDS, RAFFLES & DOOR PRIZES**

Sunday -Breakfast

PROVIDED BY CLUB



OFFICE BEARERS (One shall not hold two or more positions of Office Bearer)

Association = Peel 4 x 4 Club

Rules = Constitution

CHAIRPERSON

Shall preside at all meetings of the Association and preserve order, so that business may be conducted in due form and with propriety.

It is the duty of the chairperson to consult with the secretary regarding the business to be conducted at each committee meeting and general meeting.

The chairperson has the powers and duties relating to convening and presiding at committee meetings and presiding at general meetings provided for in the constitution.

VICE PRESIDENT

Shall assist the chairperson in the performance of their duties, and shall exercise the powers and perform the duties of the chairperson in the absence of the chairperson.

SECRETARY

The Secretary shall conduct all day to day matters of the Association.

Dealing with the Association's correspondence;

Consulting with the chairperson regarding the business to be conducted at each committee meeting and general meeting;

Preparing the notices required for meetings and for the business to be conducted at meetings;

Unless another member is authorised by the committee to do so, maintaining on behalf of the Association the register of members, and recording in the register any changes in the membership, as required under section 53(1) of the Act;

Maintaining on behalf of the Association an up-to-date copy of the rules, as required under section 35(1) of the Act;

Unless another member is authorised by the committee to do so, maintaining on behalf of the Association a record of committee members and other persons authorised to act on behalf of the Association, as required under section 58(2) of the Act;

Ensuring the safe custody of the books of the Association, other than the financial records, financial statements and financial reports, as applicable to the Association;

Maintaining full and accurate minutes of committee meetings and general meetings;

Carrying out any other duty given to the secretary under the rules or by the committee.

TREASURER

Ensuring that any amounts payable to the Association are collected and issuing receipts for those amounts in the Association's name;

Ensuring that any amounts paid to the Association are credited to the appropriate account of the Association, as directed by the committee;

Ensuring that any payments to be made by the Association that have been authorised by the committee or at a general meeting are made on time;

Ensuring that the Association complies with the relevant requirements of Part 5 of the Act;

Ensuring the safe custody of the Association's financial records, financial statements and financial reports, as applicable to the Association;

Coordinating the preparation of the Association's financial statements before their submission to the Association's annual general meeting;

Providing any assistance required by an auditor or reviewer conducting an audit or review of the Association's financial statements or financial report under Part 5 Division 5 of the Act;

Carrying out any other duty given to the treasurer under the constitution or by the committee.

Shall be responsible for all monies of the Club and keep all associated records.

The Treasurer shall circulate to all financial members a printed financial statement at the annual general meeting.

The Treasurer shall present a written report of the Club finances to all general meetings.

The Treasurer is responsible for the club raffles.

ORDINARY COMMITTEE MEMBERS

INSURANCE OFFICER

Shall maintain and hold records pertaining to public liability and vehicular insurance and attend Association meetings as required.

TRIP CO-ORDINATOR (S)

Shall be responsible for the co-ordination of all trips; and shall allocate the dates of trips, keep a written log of all trips conducted, and attend Association meetings as required.

ENVIRONMENTAL OFFICER

Shall be responsible for dealing with environmental issues as they arise and attend Association meetings as required.

MAGAZINE EDITOR

Shall produce and distribute the Club magazine at the general meeting each month.

PROPERTY OFFICER

Shall hold all property donated or purchased by the Club.

They shall maintain a log detailing all property taken by members, date taken, and date returned.

They shall have the Club property maintained in good order. Defects are to be tabled at the next Committee meeting which shall consider, and if necessary, authorise any expenditure for the repair or replacement.

ASSOCIATION DELEGATE (S)

Shall attend Association meetings and represent the Club's best interests and report back to the Club as necessary.

WEBMASTER

Shall maintain and update the club website and social media pages.

PEEL 4X4 CLUB BYLAWS

1. The trip leader will delegate the position of Safety/Recovery officer to another member prior to trip departure.
2. All members and visitors are to follow the Safety Officer's instructions at all times
3. No pets allowed on club trips.
4. Each club member is to be responsible for the safety and whereabouts of their own children.
5. Trip Leader responsibilities and Tail End Charlie role to be read out before each trip.
6. After 2 trips you must have adequate front and rear recovery points fitted to your vehicle and must have a UHF CB radio.
7. Vehicles without adequate front and rear recovery points are limited to scenic/social and easy rated trips.
8. All trips are to be rated scenic/social; easy; medium; hard and extreme. Visitors are not permitted on hard and extreme trip. Membership of the WA4Wd Assoc is required for attendance on hard and extreme trips.
9. Proceeds from fundraising will be used for club purposes.
10. A limit of 15 vehicles per trip will apply. Trip leader has the discretion to increase or decrease this number.
11. First in best-dressed, if in excess of 15 vehicles wish to attend a trip, based on prior confirmation.
12. Club bank account to hold a minimum of \$1000 balance. A portion of this amount may be used to purchase urgent items at the committee's discretion.
13. Whilst every care is taken, no responsibility is accepted.
14. Visitors must attend at least 2 trips, rated easy and/or medium, to qualify for membership. Scenic/social trips will not be counted.

PEEL 4X4 CODE OF ETHICS

1. Keep to the laws and regulations for 4wd vehicles. They may change from state to state.
2. All vehicles must have either comprehensive or third party fire and theft insurance.
3. Keep the environment clean. Carry your own and, maybe, other people's rubbish home.
4. Obey restrictions on use of public lands. Respect national parks and other conservation areas.
5. Obtain permission before driving on private land. Leave livestock alone and gates as found.
6. Keep your vehicle mechanically sound.
7. Take adequate water, food, fuel and spares on trips. In remote areas travel with another vehicle.
8. Respect our wild life. Stop and look but never disturb or chase animals.
9. Respect other recreationalists rights to peace and solitude in the bush.
10. Obey all fire restrictions. Extinguish your fire before leaving. Don't let your exhaust emit sparks.
11. Help in bushfire emergencies and search and rescue but only if you are properly equipped and able.
12. Support 4WD touring as a responsible and legitimate recreational activity.
13. All members should behave in a socially acceptable manner at all times.

This code is valuable only if you observe it

CLUB SHIRTS



PILBARA COTTON SHIRT

**AVAILABLE IN
FULL & HALF BUTTON
LONG & SHORT SLEEVE**

\$55 ALL STYLES



RAZOR POLO

**AVAILABLE IN
MENS, LADIES
& KIDS SIZING**

**ADULTS \$40
KIDS \$35**

**ALL PRICES INCLUDE
EMBROIDERY OF CLUB
LOGO**

**NAMES OPTIONAL
EXTRA \$7**

**** ORDERS CAN BE PLACED
THROUGH THE WEBMASTER****

**PEEL4X4.WEBMASTER@GMAIL.COM OR AT
A GENERAL MEETING**

Peel 4x4 Club Property List

1 x Space Case (900L x 390W x 400H)
 4 x 490mm Black Plastic Sand Pegs
 1 x ARB Gazebo
 1 X Wanderer Gazebo
 1 x Heatlie BBQ (880mm x 540mm)
 2 x Peel 4 x 4 Club Retractable Vertical Banners
 2 x Peel 4 x 4 Club Flags with water filled bases.
 1 x Plastic Peel 4 x 4 Club sign (Folding Triangle Core Flute Type)
 1 x 5.33kg Gas Bottle (Empty)
 1 x Wanderer single wall for gazebo
 1 x Wanderer half wall for gazebo
 1 x 60mm diameter collapsible bin
 Gravel & block – with Gary Mayes
 Trophy – Most talked about event of the year (1998 – 2014)
 Trophy – Burnt pot award (2000 – 2014)
 2 x 40 channel Uniden UHF Radios
 1 x musty smelling orange cotton vest
 4 x metal Peel 4 x 4 signs (staked flag design)
 Various large paper & laminated maps
 1 x 2.9 Snatch Strap
 1 x red & Yellow Peel 4 x 4 Club Flad/Banner (1940mm x 970mm)
 2 x heavy Wooden speed check signs
 1 x Tennis net in bad (no racquets)
 Heaps of old Peel 4 x 4 Club magazines, hard floppy disks, and stuff
 Santa Suite



Containers for Change



After the AGM we made an account to donate the empty recycling containers to the club.

These funds can then be used towards our social functions or other agreed upon purchases for the club as something a little extra.

No obligation, and we understand people collect their own, but if you have any empty bottles or cans laying around please feel free to use the QR code or account

C11064407



Purchase an Entertainment Membership and get a FREE UPGRADE
Simply click on the link below:

<https://subscribe.entertainment.com.au/fundraiser/84490n>



We're fundraising with
 Entertainment

Discover more, everyday
with the Entertainment Membership

Bonus Upgrade to
Multi City Membership*

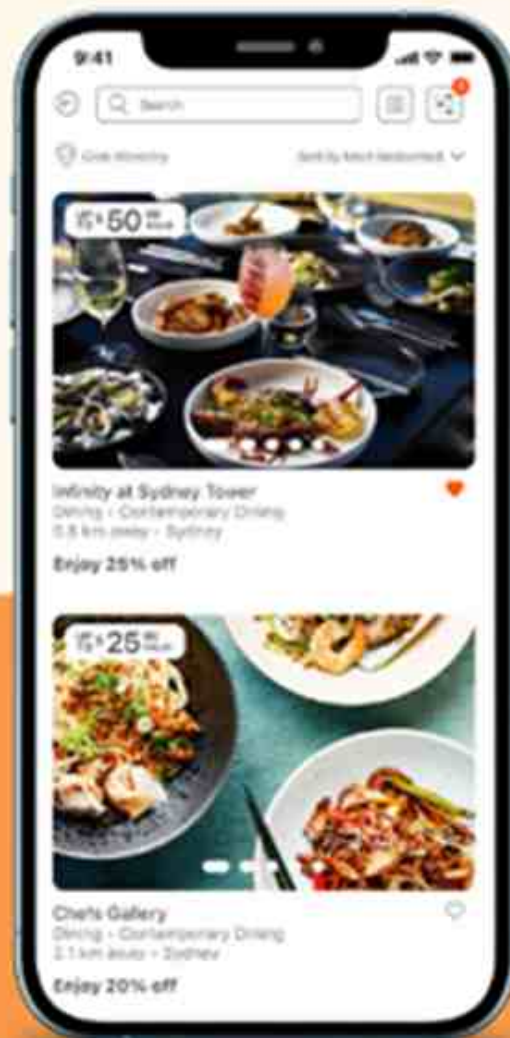
12 months		24 months	
Pay	Save	Pay	Save
\$70	\$50	\$120	\$110
We receive		We receive	
\$14		\$24	

*T&Cs apply.

The savvy
way to give back

Buy today and 20% of the purchase price
goes directly to our fundraising cause.

Support us now



Presidents Report

Hi Everyone,

Hope everyone has been enjoying & making the most of this weather while it lasts.

As discussed at the last General Meeting, and coming into the Easter break, we will be seeing a lot of people getting out camping, which will also most likely see camp fires being used with the cooler weather on the approach.

Talking with burns specialists quite a few years ago now, I was advised that the Easter break is historically the time of year where burns specialists see a dramatic increase in the number of camp fire burns / injuries; including wood fired heaters around the home.

When leaving your camp site, as responsible campers & 4wd'ers, please ensure you put your fire out with plenty of water. DO NOT just cover it with sand, as this only insulates the fire, keeping the outer surface cool to the touch, but still glowing red beneath the sand.

If you do not have enough water, do not start a fire.

This is an issue that is extremely close to my heart, having had to deal with the consequences of someone covering a fire with sand. They obviously thought they were doing the right thing by not allowing the fire to spread, however this resulted in my daughter being airlifted to hospital, and subsequent burns treatments. These are injuries & unpleasant memories that last a lifetime.

On another note, the Annual General Meeting has been set for Saturday 26th July, and will be held at the Total & Permanent Disable Veterans of Western Australia (TPDVWA) in Rockingham.

More details will be provided very shortly, however will be an overnigher for those interested. Camper trailers & swag only though. Unfortunately not enough room for caravans.

In the lead up to the AGM, please consider putting your hand up to take on a committee position.

If anyone would like to volunteer for a position on the committee, it would be much appreciated. The role of the committee, is to ensure that the best interest of the clubs' members are upheld.

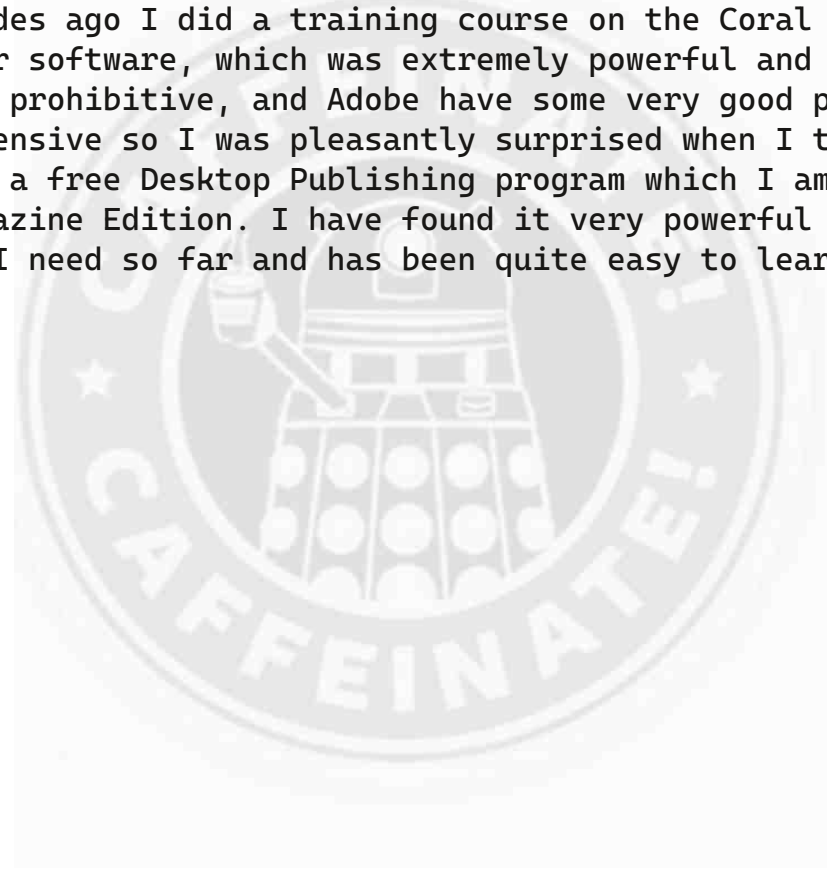
The roles & responsibilities of each position will be included in the magazine for those interested, and can also be discussed at General Meetings to clarify anything.

Stay safe out on the tracks, and I will see you at the General Meeting on Wednesday 23rd April.

Now that Julie has retired, her home office has now returned to being our study and the new work laptop has become our main computer. My objective has been to set up things so I can publish the magazine with relative ease having turned off the laptop screen to make it just a desktop PC and have arranged 3 screens with the central one set in portrait, now being able to view a full page on screen.

Until now I have been using my old laptop and Microsoft Publisher which comes with Microsoft Office Professional 2010 to produce the Magazine but I have found Publisher doesn't work properly on the new laptop. Seeing I own multiple licenses for Office Pro 2010 and am comfortable with this vintage, I would only consider upgrading if it all stops working, and certainly won't upgrade just for one program.

I have considered using Microsoft Word or Powerpoint but they aren't designed as a Desktop Publisher so are not 100 % suitable for what I am doing. Many decades ago I did a training course on the Coral Draw Desktop Publisher software, which was extremely powerful and impressive but the price is prohibitive, and Adobe have some very good programs but again pretty expensive so I was pleasantly surprised when I tried Scribus which is a free Desktop Publishing program which I am using to publish this Magazine Edition. I have found it very powerful and has done everything I need so far and has been quite easy to learn.



**AGENDA - GENERAL MEETING OF THE PEEL 4X4 CLUB**

Date: Wednesday 23rd April 2025

Venue: Secret Harbour Surf Life Saving Club

**MEETING OPENING:**

- Silent Auction announcement.

1. TRIPS SINCE LAST MEETING:**2. CONFIRMATION OF MINUTES FROM PREVIOUS GENERAL MEETING:****3. BUSINESS & ACTIONS FROM THE PREVIOUS MINUTES:****4. PRESIDENTS REPORT:** (Gary Mayes)**5. SECRETARYS REPORT:** (Julie Power)**6. TREASURERS REPORT:** (Hugh Burns)**7. INSURANCE OFFICERS REPORT:** (Dave Knudsen)**8. PROPERTY OFFICERS REPORT:** (Jacob Yardley)**9. ENVIRONMENTAL OFFICERS REPORT:** (Chris Jones)**10. DELEGATES REPORT:** (Vacant)**11. MAGAZINE EDITORS REPORT:** (Brian Tanner)**12. WEBMASTERS REPORT:** (Gary Mayes)**13. TRIP COORDINATORS REPORT:** (Steven Power)**14. GENERAL BUSINESS:**

- Raffle
- Silent Auction

15. TECHNICAL:

**AGENDA - GENERAL MEETING OF THE PEEL 4X4 CLUB**

Date: Wednesday 23rd April 2025

Venue: Secret Harbour Surf Life Saving Club

**16. NEXT MEETINGS:**

GENERAL MEETING – Wednesday 28th May 2025. Secret Harbour Surf Life Saving Club

COMMITTEE MEETING – Wednesday 25th June 2025. Hosted by Hugh Burns

DELEGATES MEETING – Monday 19th May 2025. Gosnells RSL Hall.

16. MEETING CLOSURE:



GENERAL MEETING OF THE PEEL 4X4 CLUB

General Meeting Minutes

Date: Wednesday 26th March, 2025

Venue: Secret Harbour Surf Life Saving Club



Meeting Opened: 7:36pm

Safety Briefing.

ATTENDEES & VISITORS. As per attendance register.

APOLOGIES / PROXIES. As per attendance register.

1. TRIPS SINCE LAST MEETING

- 21st to 23rd March. Dwellingup Camping Trip. Trip Leader: Gary Mayes
- 21st to 23rd March. Also Perth Caravan & Camping show.

2. CONFIRMATION OF MINUTES FROM PREVIOUS GENERAL MEETING – 26th February 2025

Chairperson Gary Mayes has signed & accepted the previous minutes.

No objections as to the accuracy of the minutes. Unanimously Accepted.

3. BUSINESS FROM THE PREVIOUS MINUTES

- Gary was to send through a description of the Property Officer role to Jacob, however did not get time to. Action still open. **ACTION: Gary Mayes**
- Gary was to arrange membership invoice for Ian & Ann Arbuthnot, however did not get time to. Action still open. **ACTION: Gary Mayes**
- Easter or ANZAC Day Long Weekend? Gary asked if anyone would like to lead a trip. There were no volunteers.

4. PRESIDENTS REPORT (Gary Mayes)

- Gary mentioned that the pizza at the General Meetings seemed to have lost interest. Those in attendance agreed, and agreed to no longer continue this.
- Gary advised everyone that the Easter Weekend is traditionally the worst time for camp fire & wood fire heater burns. Spoke about his daughter being severely burnt by a campfire being covered with sand, rather than fully extinguished. If you don't have enough water to fully extinguish a camp fire, please do not start one.
- Gary mentioned that he is potentially looking to go into another job, and not ruling out FIFO. He advised the members that a discussion was had within the Committee about how we can manage this, without Gary having to resign from President at the AGM. This may involve Committee Members chairing meeting from time to time in Garys absence.
- Gary asked those in attendance what they would like to see more from within the club. The majority said they would like more social trips.
Mark Skeels also mentioned about the Mandurah Drive in.
Business for the President:
- No business for the President.



GENERAL MEETING OF THE PEEL 4X4 CLUB

General Meeting Minutes

Date: Wednesday 26th March, 2025

Venue: Secret Harbour Surf Life Saving Club



5. SECRETARY'S REPORT (Julie Power)

- Nothing to report.
- No mail received.
- **Business for the Secretary:**
- No business for the Secretary.

6. TREASURERS REPORT (Hugh Burns – Apologies).

CREDITS: 27/02/2025 - \$4.90. Square Pay
21/03/2025 - \$28.00. Entertainment Books.

DEBITS: 10/03/2025 - \$286. Badges x13
10/03/2025 - \$72.30. Julie Power, reimbursement for Coffee.

PENDING: \$29.54. Microsoft Office
\$159. PO Box.

CLOSING BALANCE (26/03/2025): \$4946.46

Business for the Treasurer:

- Gary to send invoice to Ian & Anne. **ACTION: Gary Mayes**

7. INSURANCE OFFICERS REPORT (Dave Knudsen)

- Nothing to report.
- **Business for the Insurance Officer:**
- No business for the Insurance Officer.

8. PROPERTY OFFICER (Jacob Yardley)

- Gary Mayes has contacted Phillip Crewe on 24/03/2025 regarding access to grab club property.
- Gary mentioned about the silent auction for the club BBQ. This will be held at the April General Meeting.
- **Business for the Property Officer**
- No business for the Property Officer.

9. ENVIRONMENTAL OFFICERS REPORT (Chris Jones)

- Nothing to report.
- **Business for the Environmental Officer**
- No business for the Environmental Officer.



GENERAL MEETING OF THE PEEL 4X4 CLUB

General Meeting Minutes

Date: Wednesday 26th March, 2025

Venue: Secret Harbour Surf Life Saving Club



10. DELEGATES REPORT (Vacant)

- Mark Skeels attended the last Delegates Meeting, and provided feedback to members.
- 4th May 2025, there will be a buy bee at Kaarakin, which is due to be demolished in June 2025. Part of the busy bee will be to remove (save) the patio prior to demolition.
- Members of clubs within the WA4WDA can now obtain a trade discount (20% off) at any REPCO store. A QR code will be sent clubs on the 1st April!!
- All club tax returns are to be completed by 31st May 2025.
- Please send any trip reports to the Secretary, to post up on the WA4WDA website & socials.
- Mark mentioned that there has been talk of GVM & GCM limits across all states in Australia.
- The remaining two by-laws were passed.
- Clubs have access to \$1500 each for the Government Grants via the WA4WDA.
- 35 sites have now been booked for the Kalgan River gathering.

Business for the Delegate

- No business for the temporary Delegate.

11. MAGAZINE EDITORS REPORT (Brian Tanner)

- Brisey mentioned that he had been contacted by the National Archives, as they had not received 5 magazines. Brisey had located 3x of them, however was still missing 2.
- 325 magazines have been published.

Business for the Magazine Editor

- A visitor had asked why we need a magazine, which prompted a bit of discussion. It was found that all members in attendance liked receiving the magazine, and the Magazine Editor enjoys creating the magazines.

12. WEBMASTERS REPORT (Gary Mayes)

- Gary has responded to 1x website enquiry, with that enquirer attending this meeting.
- 176 visits to website in the last 30 days. 45 in the last 7 days.
- 348 socials views in the last 30 days. 59 in the last 7 days.

Business for the Webmaster

- No business for the Webmaster.



GENERAL MEETING OF THE PEEL 4X4 CLUB

General Meeting Minutes

Date: Wednesday 26th March, 2025

Venue: Secret Harbour Surf Life Saving Club



13. TRIP COORDINATORS REPORT

- 21st to 23rd March. Dwellingup Camping Trip. Trip Leader: Gary Mayes
- 13th April. All Grain Beer Brewing Day. Trip Leader: Gary Mayes
- 24th April. Nullarbor Muster. Tent / Swag Trip. Trip Leader: Mark Skeels
- 4th May. Mundaring Powerlines Trip. Trip Leader: Gary Mayes
- 12th to 18th May. Duane had to cancel the Esperance Trip.
- 30th May, to 2nd June. WA4WDA Gathering at Kalgan River (Albany).
- 18th May to 21st June. Ruby Gap, Hamilton Station. Alice Springs. Trip Leader: Mark Skeels.
- September Long Weekend. Brian Tanner mentioned about maybe doing a trip to Westonia in the Wheatbelt for the Wild Flowers.
- 11th August for approximately 2 weeks. Kennedy Ranges for approximately 2 weeks, lead by Max Milbanke. Then Mt Augustus to Esperance for approx.... 2 weeks. Lead by Duane Buckenara.
- 27th to 31st August. Dowerin. Trip Leader: Mark Skeels.
- 2nd to 6th October. Lake Perkolilli. Trip Leader: Mark Skeels.
- 18th to 25th October. Koorda Rangelands. Trip Leader: Mark Skeels.

Business for the Trip Coordinator

- Mark Skeels advised that there is currently no fuel along the Anne Beadell Track.

14. GENERAL BUSINESS

- Gary advised that at the Committee Meeting, it was agreed to increase the joining fee by \$10; from \$40 to \$50. This is to cover the cost of badges at \$23 each. There were no objections.
- A date for the Annual General Meeting was discussed. This was agreed to be the 26th July.
- Tax returns need to be completed by 31st March 2025. The previous Treasurer mentioned that this was unable to be achieved. GM will try when he gets a chance. **ACTION: GM**
- Gary to transfer files to Secretary laptop. **ACTION: GM**
- Gary to provide details of roles to Hugh & Jacob at next Committee Meeting. **ACTION: GM**
- Dave Knudsen asked if there were any volunteers to help at the Yarloop Fire Station ANZAC Day Service. There was no-one able to / willing to assist.

15. TECHNICAL SEGMENT

- Gary had an interactive discussion in regards to diff locks, how they work, when to use them, and how they can get you into, or out of trouble.

NEXT GENERAL MEETING: Wednesday 23rd April 2025. Secret Harbour Surf Life Saving Club.

Doors open at 7:00pm. Meeting starts at 7:30pm.

NEXT COMMITTEE MEETING: Wednesday 9th April 2025. Hosted by Gary Mayes

NEXT DELEGATES MEETING: Monday 14th April 2025. 7:30pm, at the Gosnells RSL Hall

Meeting closed at: 8:57pm.



GENERAL MEETING OF THE PEEL 4X4 CLUB

General Meeting Minutes

Date: Wednesday 26th March, 2025

Venue: Secret Harbour Surf Life Saving Club



The minutes from this meeting have been verified as true & correct.

Gary Mayes

Peel 4x4 Club Chairperson

Date: 11/04/2025



COMMITTEE MEETING OF THE PEEL 4X4 CLUB

Committee Meeting Minutes

Date: Wednesday 09th April, 2025

Venue: Hosted by Gary Mayes



Meeting Opened: 7:12pm

PRESENT: Gary Mayes (GM); Julie Power (JP); Hugh Burns (HB); Brian Tanner (BT); Steven Power (SP)

APOLOGIES (A) & PROXIES (P): Dave Knudsen (DK)(A); Jacob Yardley (JY)(A); Chris Jones (CJ)(A);

1. CONFIRMATION OF MINUTES FROM PREVIOUS COMMITTEE MEETING – 12th March 2025

Chairperson Gary Mayes has signed & accepted the previous minutes.

There were no objections as to the accuracy of the minutes, therefore unanimously accepted?

2. BUSINESS & ACTIONS FROM THE PREVIOUS MINUTES

- Tax returns were to have been completed by 31st March 2025. The previous Treasurer was unable to accomplish this due to being unable to obtain a Tax File Number. GM was going to attempt to obtain this, however was unable to due to personal circumstances. Gary advised he would try over the weekend, and if unable to, or unsuccessful, HB said he would also attempt. **ACTION: GM.**
- GM was to transfer files to Secretary Laptop. GM advised that due to personal circumstances, this has not been accomplished. **ACTION: GM.**
- GM was to create a handover document for the new Treasurer & Property Officer. GM advised that due to personal circumstances, this has not been accomplished. GM mentioned he will attempt to get this completed over the weekend. **ACTION: GM.**

3. PRESIDENTS REPORT (Gary Mayes)

- Nothing to report.
- GM mentioned about the question raised at the last General Meeting, being what members would like to see more of. Social Days, day trips, etc... Members would like more Social Days. Items such as Garys upcoming Brew Day, fishing trips, etc.. were discussed.

Business for the President:

- No business for the President.

4. SECRETARY'S REPORT (Julie Power)

- JP mentioned that she had caught up with the Total & Permanent Disable Veterans of Western Australia to discuss the AGM. This seems to be a great venue.
A brief discussion was had, with an agreement to go ahead with this venue for the AGM on Saturday 26th July 2025. **Action: JP to confirm with venue.**

- No mail.

Business for the Secretary:

- No business for the Secretary.



COMMITTEE MEETING OF THE PEEL 4X4 CLUB

Committee Meeting Minutes

Date: Wednesday 09th April, 2025

Venue: Hosted by Gary Mayes



5. TREASURERS REPORT (Hugh Burns)

- It was discussed about how difficult it is dealing with the Westpac Bank, and it was only due to the relationship the previous Treasurer had with the bank, we were able to get things moved along. HB had mentioned about moving the account to the Commonwealth Bank, as they were much easier to deal with. HB said he could do this on the upcoming Monday.

ACTION: HB to open new account with the Commonwealth Bank.

- CLOSING BALANCE (09/04/2025): \$4762.82

Business for the Treasurer:

- No business for the Treasurer.

6. INSURANCE OFFICERS REPORT (Dave Knudsen)

- Nothing to report.

Business for the Insurance Officer:

- No business for the Insurance Officer.

7. PROPERTY OFFICER (Jacob Yardley)

- All equipment was collected from Phillip Crewe's house, and is now stored at JY residence.

Business for the Property Officer

- Gary mentioned about getting photos of the BBQ for the silent auction.

ACTION: GM to contact JY to send through.

8. ENVIRONMENTAL OFFICERS REPORT (Chris Jones)

- Nothing to report.

Business for the Environmental Officer

- No business for the Environmental Officer.

9. DELEGATES REPORT (Vacant)

- Nothing sent through from the WA4WDA.

Business for the Delegate

- No business for the Delegate.

10. MAGAZINE EDITORS REPORT (Brian Tanner)

- BT mentioned that he is now using a new program for the magazines.
- The next magazine will have a few technical articles, such as diff locks & tyre safety.
- Deadline for magazine contributions will be 16th April.

Business for the Magazine Editor

- No business for the Magazine Editor.



COMMITTEE MEETING OF THE PEEL 4X4 CLUB

Committee Meeting Minutes

Date: Wednesday 09th April, 2025

Venue: Hosted by Gary Mayes



11. WEBMASTERS REPORT (Vacant / Gary Mayes)

- Nothing to report.
- **Business for the Webmaster**
- No business for the Webmaster.

12. TRIP COORDINATORS REPORT (Steven Power)

- 13th April. All Grain Beer Brewing Day. Trip Leader: Gary Mayes
- 24th April. Nullarbor Muster. Tent / Swag Trip. Trip Leader: Mark Skeels
- 4th May. Mundaring Powerlines Trip. Trip Leader: Gary Mayes
- 12th to 18th May. Duane had to cancel the Esperance Trip.
- 30th May, to 2nd June. WA4WDA Gathering at Kalgan River (Albany).
- 18th May to 21st June. Ruby Gap, Hamilton Station. Alice Springs. Trip Leader: Mark Skeels.
- September Long Weekend. Brian Tanner mentioned about maybe doing a trip to Westonia in the Wheatbelt for the Wild Flowers.
- 11th August for approximately 2 weeks. Kennedy Ranges for approximately 2 weeks, lead by Max Milbanke. Then Mt Augustus to Esperance for approx.... 2 weeks. Lead by Duane Buckenara.
- 27th to 31st August. Dowerin. Trip Leader: Mark Skeels.
- 2nd to 6th October. Lake Perkolilli. Trip Leader: Mark Skeels.
- 18th to 25th October. Koorda Rangelands. Trip Leader: Mark Skeels.

Business for the Trip Coordinator

- JP mentioned that DK had reached out in regards to doing another community involvement day with disabled people. JP will follow up with Midway Community Care.

ACTION: JP to follow up with Midway Community Care.

13. GENERAL BUSINESS

- There was no General Business discussed at this Committee Meeting.

NEXT GENERAL MEETING: Wednesday 23rd April 2025. Secret Harbour Surf Life Saving Club. Doors open at 7:00pm, with meeting starting at 7:30pm.

NEXT COMMITTEE MEETING: Wednesday 11th June 2025. Hosted by HB. Starts at 7:00pm.

NEXT DELEGATES MEETING: Monday 14th April 2025. Gosnells RSL Hall. Meeting starts at 7:30pm.

Meeting closed at: 8:25pm

**COMMITTEE MEETING OF THE PEEL 4X4 CLUB****Committee Meeting Minutes**

Date: Wednesday 09th April, 2025

Venue: Hosted by Gary Mayes

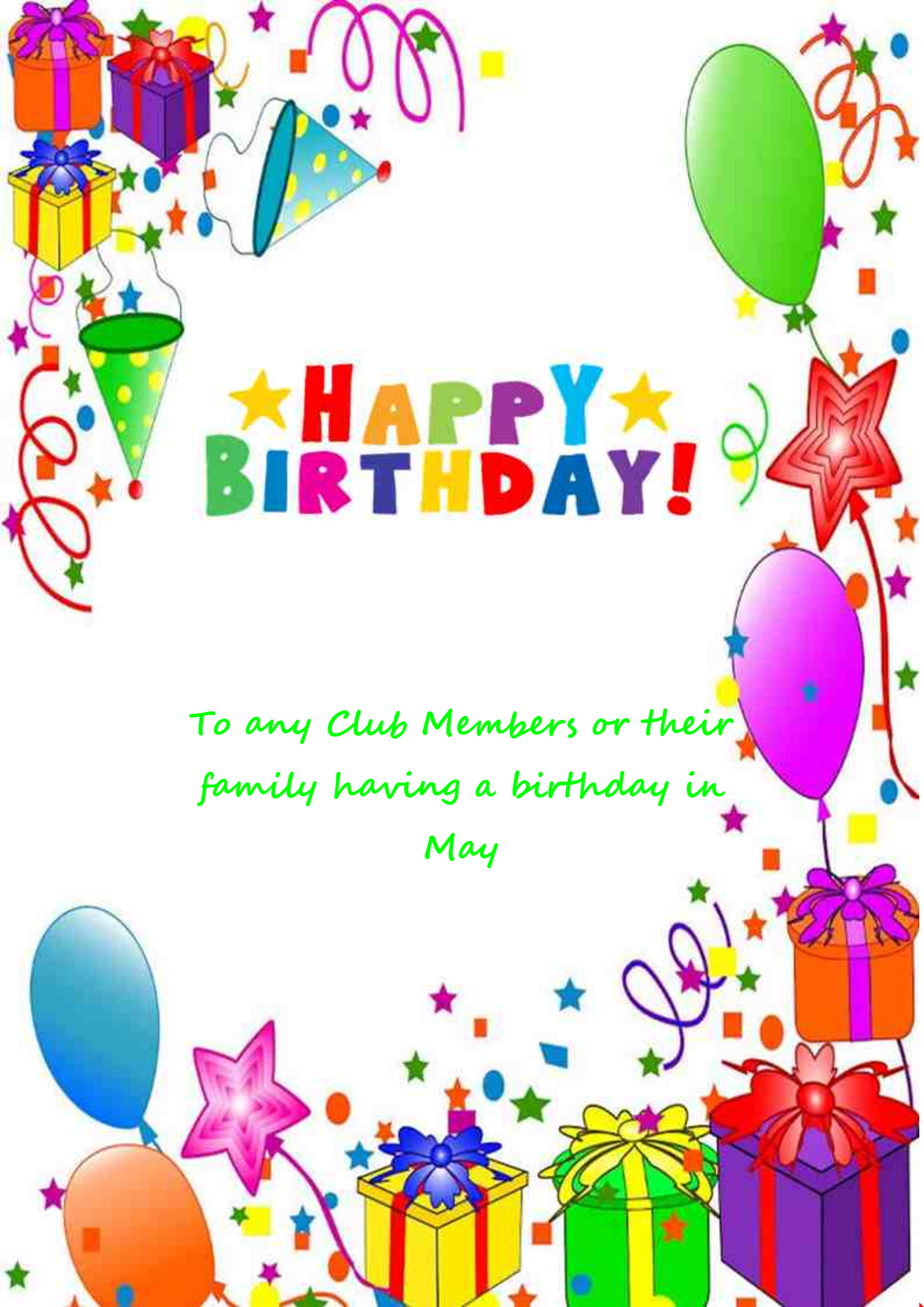


The minutes from this meeting have been verified as true & correct.

Gary Mayes

Peel 4x4 Club Chairperson

Date: 12/04/2025



HAPPY BIRTHDAY!

*To any Club Members or their
family having a birthday in
May*

When I bought the new caravan it came with two jerry can holders on the drawbar. The sales person pointed out the little stickers on the holders saying for carrying water only. Not one to believe everything I read or hear, I reached out to the Department of Energy, Mines, Industry Regulation and Safety for advice. It turns out that while this requirement this may be true in some of the Eastern States, two jerry cans containing petrol secured in holders on the drawbar is acceptable in Western Australia. A copy of the email is below. I will be keeping a copy of this in the caravan just in case I get challenged.

I have blanked out the name and email address of the officer as I haven't sought his permission to share

Brisey

05/04/2025, 12:55

Gmail - RE: Carring petrol in jerrycan advice



Brian Tanner <briantanner57@gmail.com>

RE: Carring petrol in jerrycan advice

1 message

DRAGICEVICH, Samuel <Samuel.DRAGICEVICH@demirs.wa.gov.au>
To: "briantanner57@gmail.com" <briantanner57@gmail.com>

Fri, Mar 28, 2025 at 4:19 PM

Hi Brian,

Thanks for getting in touch. Transporting 2 jerry cans for personal use exempts you from the requirements of the transport regulations, but all persons transporting dangerous goods have a general duty to minimise risk. So long as your jerry cans are still securely restrained when stored in the holders on the caravan drawbar then transporting them in this way is acceptable.

Let me know if you have any further questions.

Samuel Dragicevich | Dangerous Goods Officer
WorkSafe Petroleum Safety and Dangerous Goods Directorate

Department of Energy, Mines, Industry Regulation and Safety

Le

Tel: +61 8 9358 8195 | Mob: 0438 168 014

samuel.dragicevich@demirs.wa.gov.au | www.demirs.wa.gov.au



**Department of Energy, Mines,
Industry Regulation and Safety**

We respectfully acknowledge Aboriginal peoples as the Traditional Custodians of this land on which we deliver our services to the communities throughout Western Australia. We acknowledge their enduring connection to the lands, waterways and communities and pay our respects to Elders past and present.

From: Brian Tanner <briantanner57@gmail.com>
Sent: Sunday, 16 March 2025 3:19 PM
To: Services Helpdesk, Online <online.serviceshelpdesk@demirs.wa.gov.au>
Subject: Carring petrol in jerrycan advice

Hello

I am looking for advice on safe transport of petrol in a jerry can while travelling.

I have done some searching online and I don't seem to be able to find the information I would like.

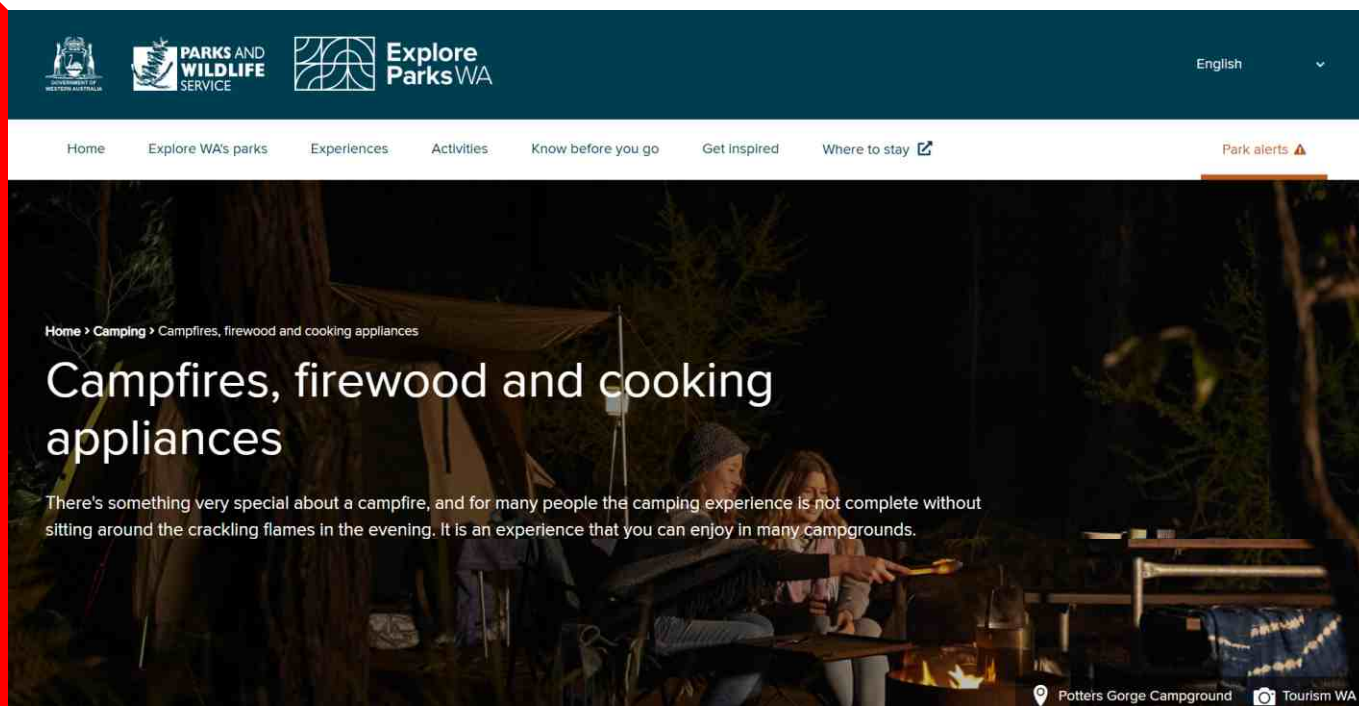
I use commercially sourced jerry cans and my tow vehicle is a ute. I usually carry one or two jerry cans in the ute tub securely tied down. I have recently bought a new caravan that has two jerry can holders on the drawbar. Is it legal to carry petrol in jerry cans secured in the holders on the caravan drawbar?

--

Kind Regards

Brian Tanner

0429110957



But with fire comes risk and responsibility. In places that are as hot, dry and distant from emergency services as Western Australia's parks all are for at least some part of the year, the risk of fire is often very high. There are strict regulations concerning campfires. It is our responsibility, along with a number of other agencies, to administer and enforce those regulations. It is your responsibility to comply with the regulations.

Heavy penalties apply for non-compliance with fire regulations.

Where and when campfires are permitted

In some campgrounds, fires are not permitted at any time; at others, campfires are permitted with seasonal restrictions and in provided fire pits only.

At some campgrounds there may be additional periods before the start and following the end of the 'no fires at any time' period when campfires are permitted during certain hours only.

There is a period during which campfires are not permitted at any time of day or night. Very generally, this period is from December 1 to March 31 inclusive, but it may vary from place to place and from year to year.

Campfire rules

- Never set or light fires outside of provided fire rings.
- Keep a clear space (at least 3m) around the fire.
- Never leave a fire unattended and keep the fire under control at all times. Completely extinguish all fires before leaving an area or going to bed. An ember can start a bushfire.
- Do not use campfires as rubbish incinerators - plastics release toxic gases when burnt.
- Beware of hot barbecue plates, coals and hot water as well as flames.

Restrictions

Campgrounds and parks may have to be closed for visitors' safety. For information on what to do in case of a bushfire go to 'Bushfires and prescribed burns'.

Campfire restrictions can be imposed with immediate effect and without notice at any time or place. We cannot guarantee that you will be able to have a campfire. You must always comply with any instructions at campgrounds and parks.

Firewood

Collecting firewood, including dead wood and leaves, from parks is not permitted. It provides essential habitat for a host of native flora and fauna.

Check current restrictions on the movement of wood, including firewood. Collecting firewood and kindling is not permitted in national parks and other conservation reserves.

Stoves, barbecues and other appliances

Stoves, barbecues and other appliances powered by burning solid fuel are subject to the same restrictions as campfires: they must not be used at any campground, or at any time, when campfires are not permitted.

Stoves, barbecues and other appliances powered by liquid or gas fuel can be used at any time, unless a total fire ban has been declared (go to Emergency WA). They should never be left unattended when in use.



Lane Poole Reserve Chanel Bowen

INFORMATION SHEET

CAMPFIRE AND CAMPING SAFETY

It's important to follow good campfire safety practices to protect yourself and your fellow campers from injury. People who are severely burnt on their hands and feet can undergo months or even years of intensive therapy to regain mobility in their limbs.

Before you light a fire

- » Check for current fire bans. Visit the Queensland Fire and Emergency Services website or call the Free Call Fire Ban line on 1800 020 440 to check if there are fire bans in the area.

- » Check with local authorities if a permit is required to camp or have campfires or barbecues. Check if there are any local restrictions which prohibit the lighting of fire, the positioning of the fire, and if it must be contained within a brazier, fire pit or similar device.

Positioning

- » Choose a cleared area where there are no overhanging branches and minimal grass and scrub.

- » Make sure the campfire is a safe distance from tents, and any other camping equipment is stored well away from it, especially flammable items such as gas bottles and fuel cans.

Building

- » Where possible use a fireplace such as a barbecue pit or existing fire pit.

- » If there is no existing fire pit, build one surrounded with large rocks to prevent fire or burning materials escaping. When selecting rocks, note that heated river or creek stones may shatter if cooled quickly.

- » You should only burn seasoned dry firewood, untreated timbers or commercial hot coals.

- » Make sure that you have enough water nearby to put out the fire before you light up.

Starting

- » Start your campfire using an ignition source such as matches, paper and small kindling.

- » Never use any kind of flammable liquids (such as

petrol) on a fire to get it started.

- » Keep smoke to a minimum.

Monitoring

- » Keep the fire to a controllable size.

- » Never leave the fire unattended, particularly not overnight.

- » Do not leave children unsupervised near a campfire.

Extinguishing

- » Put your campfire out with water when you have finished with it.

- » Leave the stones in place to mark the fire location to encourage others to use the same place and ensure fire pits are easy to spot.

- » Be careful when pouring water on the fire as the steam generated can also cause burns.

Did you know...

As little as a litre of water can help to cool an average size campfire to a safe temperature.

How do we know water is better than sand or dirt?

Firefighters lit three campfires and let them burn for three hours; they were hotter than 500 degrees. They put one out with water, one out with sand, and let one burn out.

8 hours later...

The campfire that was left to burn itself out was still over 100 degrees, easily hot enough to cause a severe

burn. It also spontaneously re-ignited the next morning.

The campfire that was put out by covering with sand was still nearly 100 degrees., easily hot enough to cause a serious burn. Campfires covered keep their heat for longer and are also disguised. Some will look like a sand-pit or sandcastle to small children. The sand may have a temperature over 300 degrees at less

than 10 centimetres below the surface.

The campfire that was put out by water cooled to less than 50 degrees after only 10 minutes, and to around 10 degrees after eight hours. These are safe temperatures and are unlikely to cause burns.

What are the dangers?

Injury.

Less than one second of body-contact with a campfire with a temperature of over 70 degrees will cause a significant burn.

Bushfire.

When you put your campfire out with water you also reduce the risk of accidentally starting a grass or bushfire. Grass and bushfires can burn out of control and be a serious threat to lives, properties, and wildlife.

Loss of property.

Fire could damage camping equipment and ruin your holiday. The cost of replacing your equipment can vary, but the inconvenience and time lost cannot be retrieved.

Did you know...

91% of burns caused by outdoor fires are a result of contact with coals rather than flame

Safety first

In case of gas cylinder fire

- » Call Triple Zero (000).
- » Keep bystanders away.
- » Turn off cylinder valve if it is safe to do so.

First Aid for burns

Stop the burning process.

- » If clothing is on fire, stop, drop and roll to put out the flame.
- » Put out the flames with water or smother with a coat or blanket made of natural fibres, such as cotton or wool.

Call Triple Zero (000).

- » Stay on the phone with the emergency operator until they hang up.

Cool the burnt area as soon as possible.

- » Apply cool running water to the affected area for at least 20 minutes or until emergency services personnel arrive.



It can happen to you

Two year old Camryn's family arrived on North Stradbroke Island to start their much anticipated camping holiday. After the family set up camp at a vacated area, Camryn and her Mum went to test the ocean temperature.

On the walk back, Mum stopped to talk to a friend and watch her child walk to her father, only 20 metres away. She heard screaming and saw her child stop, fall and put her hands down. While they ran to her, they tried to figure out what had happened – there was no obvious danger. When they got to her, they immediately felt the heat radiating from the ground and saw Camryn's feet were white and blistered.

They immediately ran Camryn to the ocean and placed the terrified child into the water whilst calling for an ambulance.

Once the ambulance arrived at the nearby meeting point, they were transported to the nearest doctors surgery where Camryn's hands and feet were put into cold running water for 20 minutes before being transferred to the Royal Children's Hospital Burns Unit where Camryn has since undergone many surgeries and skin grafts.



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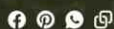
Ver 06/2020





ADVICE

What is a diff lock and when do I use it?



Robert Pepper 17 Aug 2022

The term diff-lock is an abbreviation for a lockable differential, and they're also known as lockers. There are a few different types, but before we get into why you'd want to lock your differential, we need to explain what a differential is. That starts with the problem it solves.

Imagine you've got two wheels on an axle, as shown in the picture below, a simple axle with a wheel on either end.

When that axle turns a corner, the inside wheel describes a shorter arc than the outside wheel. Yet, both wheels take the same amount of time to complete the turn. This is fine if the wheels just rotate freely on the end of an axle. It becomes a problem if we want to drive the wheels with the engine.

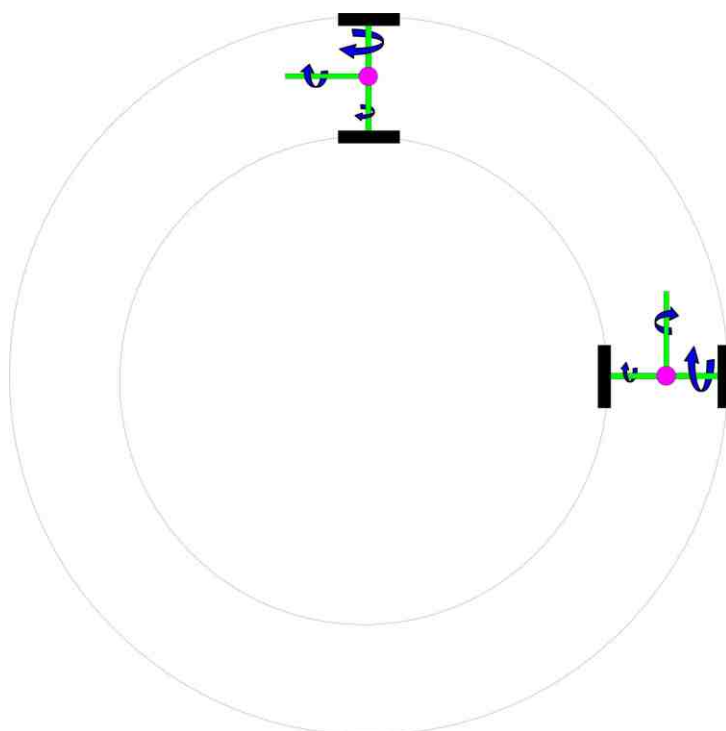
We could simply put a couple of cogs in and have a driveshaft turn the axle. But that would mean both wheels have to rotate at the same speed. If we then tried to go around a corner, the inside wheel would rotate at the same speed as the outside wheel, and the inside wheel would hop, skid and jump as it is forced to rotate at a much faster speed than it should for the little distance it has to travel. The problem with this is stress on the axle, tyre wear, poor handling, and a tendency to 'understeer' which means the nose of your vehicle will push wide in corners.

So how do we fix it?

So what's needed is some way to drive both wheels; yet allow them to turn at different speeds around a corner.

There is a solution, and it's called a differential, or diff for short. It is a complex series of cogs that allows the inside wheel to slow down relative to the outside wheel. Yet both to be driven. Exactly how the cogs do this isn't important from the driver's perspective, what's important is the effect.

The diagram below shows that the inside wheel is following a shorter circle than the outside, and rotating slower. The purple dot represents the differential which allows this to happen, yet drives both wheels. The blue arrows show the relative speed of each part of the driveline.



There's always a catch

So, differentials solve the cornering problem. But they come with a huge disadvantage for off-road driving, which is shown in this picture:



You see in the picture that the front right wheel is spinning madly, but the front left isn't moving. That's because differentials are lazy, they direct drive to the wheel that's easiest to turn. To be precise, they equalise torque (turning force) between two wheels on an axle. So if we have a wheel with little grip compared to the other one on the axle, for example in the air or on mud, that's pretty easy to turn, so it gets very little turning force, and that's how much its partner wheel on the other side of the axle gets. That's often nowhere near enough to move the vehicle, and we call this the "differential problem".

Understanding the differential problem is one of the fundamentals of off-roading. It is the key to understanding not just diff-locks, but lots of other traction aids and driving techniques too.

The devil's in the details

So by now you may have guessed what a diff-lock is. It's a device that disables the differential, locking it out. That means both wheels have to turn at exactly the same speed, so it eliminates the differential problem. But, it also eliminates the good part about a differential. The part that allows the wheels on an axle to be driven at different speeds and vehicles to turn corners effectively. That's why diff-locks can be engaged, or disengaged. You have it engaged when you need it, for example, ascending a steep, rocky climb, and disengaged when you don't, for example, normal road driving.

There are two basic types of diff-lock, manual and automatic. Most are manually engaged and disengaged, but there are some designs that are automatically engaged and disengaged by mechanical means or computer control. Lockers are for slow-speed off-road work on loose surfaces, so losing the differential effect around corners isn't too much of a problem. You just notice the turning circle is bigger than before.

What we've talked about so far is not just a diff-lock, it's a "cross-axle locking differential" to

give it the full name. That's because it's a differential lock that works across two wheels on an axle. Exactly the same concept applies to the relative rotation of the front axle to the rear. That's called a "centre differential". Just be careful to know that a cross-axle locker is different to a centre diff lock, even though the concept is the same. We also call a differential that has no locker an open differential, or open diff.

The photo below shows a Toyota Prado. It has its centre diff-lock engaged, which is shown on the speedo by the orange icon of four wheels with an X in the middle. It also has its rear cross-axle locking differential engaged, shown by the equivalent red icon but with an X between the rear axles.

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Can I fit an aftermarket diff-lock to my 4X4? And should I?

Maybe it already has one or two as standard. If not, the answer is perhaps. There are a number of aftermarket companies which supply diff-locks. But not for all makes and models, only those most popularly used for off-roading. If there is a locker available for you can it can be fitted by a mechanic. Examples of aftermarket locker companies are ARB and Eaton.

Diff-locks are definitely not the first things to buy for an off-roader – safety equipment such as a fire extinguisher and first aid kits are a higher priority. Then suspension, tyres, snorkels and the like. Once you have everything else sorted then consider diff-locks. If your vehicle is a modern one with good electronic traction control, then you have less need for diff-locks

compared to an older vehicle with no electronic traction control. That's because an electronic traction control system mitigates the "differential problem" in a similar way to a diff-lock.

The photo below shows the driver's controls for front and rear ARB Air Lockers. They are called air lockers because the mechanism to engage and disengage is driven by an air compressor.

Most owners fit aftermarket lockers to the rear of the car as that is typically where the most benefit is when driving off-road, and the rear axle is stronger than the front axle, not least as it doesn't have CV joints. However, some owners of vehicles such as the Nissan Patrol fit them to the front axle, on the basis the rear already has a strong limited-slip differential (LSD). An LSD is part-way between a locker and an open differential.

Which cars have diff-locks as standard?

It could well be that your 4X4 comes with a diff-lock on the rear axle, or on both axles.

Examples of cars that have rear lockers are the Ford Ranger, Pajero Sport and Nissan Patrol Y62. For front and rear lockers examples are some Land Cruiser 70 Series, Mercedes-Benz G-Wagen and Jeep Wrangler Rubicon. We call vehicles with front and rear diff-locks twin locked.

Not all versions of all 4X4s have diff-locks. Look for a button like this on a Nissan Y62 Patrol. On the right hand side of the picture there's an icon of four wheels with an X between the rear axle. That's the button to engage and disengage the rear locker.



There are no production 4X4s which have lockers on the front axle and not the rear. It's always rear axle only, or both axles, and you have to engage the rear before you can engage the front. That's to minimise risk of stress and damage to the drivetrain. Lockers can easily produce significant extra stress on transmission components such as axles.

When should I use diff-locks?

Don't fall into the trap of thinking that whenever the going gets tough, you engage your diff-lock and life is always better. Sometimes it's best to leave it disengaged. There are so many

off-road situations it's not possible to give specific advice and you will need to break each of the rules below at some point, but here are some general tips:

Use lockers when

Your progress is likely to be impaired by having a wheel on the axle with lockers spin. For example a rutted hill climb or some muddy ruts. The Jeep Wrangler Rubicon pictured below has its lockers engaged as it ascends a hill. You can tell because the front right wheel isn't spinning.

Descending a rutted hill where one wheel is likely to be in the air or lose traction; and Generally anywhere where you're moving in low range first or second, are likely to lose traction on one or more wheels but there's good traction on the other wheels, and you don't need to turn tightly.



Don't use lockers when:

You need to turn tightly, for example on a sharp switchback, because the lockers will increase the turning circle;

All four wheels are on the ground with roughly equal weight on them, or equal weight across two wheels on an axle. The wheels are likely to have similar grip so preventing one wheel spinning isn't a problem;

On side slopes. The vehicle will crab sideways due to the differential not allowing wheel slip across an axle; and

You're going relatively fast and need to manoeuvre, for example sand, some situations in mud and snow. The Jeep Grand Cherokee below needs counter-steer to continue heading up the hill, and lockers would make that harder. It's also going relatively fast.



So, to wrap this all up...

The term diff-lock is short for “differential lock”, and is also shortened to lockers. There are two types. Cross-axle differential-locks which are described here, and centre locking-differentials (centre diff-locks) which we’ll explain in greater detail in another article. Keep an eye out for that one.

The differential itself means that two wheels on an axle can be driven at different speeds. But that means one wheel on an axle could spin when it loses traction, causing a lack of progress. The locker fixes that problem by eliminating the differential effect.

There are two types, most are manual, but some are automatic. Some 4X4s come with them standard, either on the rear axle, or front and rear axles (“twin locked”) and depending on the exact make and model of your vehicle, you may be able to fit an aftermarket locker. Lockers are very useful off-road, but shouldn’t be viewed as the answer to all traction problems, and fitting them should not be a priority for new off-roaders who should focus on safety gear first.

Robert Pepper

Robert Pepper is an independent automotive journalist specialising in 4x4s, camping, towing, fast cars, and tech. Robert’s mission is to make these high-risk activities safer through education informed by his own experience and a commitment to inclusivity. He has written four books and hundreds of articles for outlets in Australia and around the world, and designed and delivered driver training courses in all aspects of offroading, towing, and car control. In order to maintain independence Robert’s current outlet is his own YouTube channel and website.

Blueberry Banana Pancakes

By Fresh Off The Grid • Updated August 5, 2021 •

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Fluffy with crisped edges and loaded with fruit, this Blueberry and Banana Pancakes recipe is a perfect breakfast to try out on your next camping trip.

Who doesn't love pancakes? One of our fondest camping memories is having a big pancake breakfast. But while it might seem simple, whipping up a big batch of pancakes can go wrong in a surprising number of unexpected ways.

Dense, unevenly cooked, or scorched onto the pan—we've seen (and done) it all.

But with our recipe and a few of the tips and tricks we outline below, we promise you can make soft, fluffy camp pancakes with perfectly crispy edges.



How to make the batter

We kept our batter recipe pretty simple and refrained from using single-use ingredients (like buttermilk).

At home, you can mix all the dry ingredients together in a resealable container. This gets all the measuring out of the way and eliminates the need to bring a bunch of pantry items with you to the campsite.

At camp, whisk the milk and egg together, then fold in your dry ingredients in a large bowl.

As always with pancakes, you will want to refrain from over mixing. The way we approach this is to lightly mix until there are still a decent amount of clumps. Then we let the batter rest for about 30 minutes. The clumps will absorb the liquid and start to break down naturally.



Pancake making tips & tricks

Use a non-stick skillet: A well-seasoned cast iron skillet can work, but a non-stick skillet is an ideal choice for pancakes. The conductive metal (usually hard-anodized aluminum) offers better heat distribution, counteracting the hot spots caused by undersized camp stove burners.

Preheat the skillet: The reason why the first pancake never turns out right is usually that the skillet hasn't fully come up to temperature.

Use medium-low heat: Too low and the process takes forever. Too high and the pancakes will be undercooked in the middle. So get yourself dialed into a nice medium-low temperature.

Use coconut oil instead of butter: Our secret to crispy edges comes from using coconut oil. While we love the taste of butter, we find it has too low of a smoke point and just ends up burning the whole time. Coconut oil has a higher smoke point and adds a nice, subtle flavor.

The key is to use plenty of it! We aim for around one tablespoon per batch of pancakes. You want to be able to roll the oil around in the pan so it coats the edges of your batter.

Add the fruit to the pancake, not the batter: If you dump all of your banana slices and blueberries into the bowl of batter, they will just sink to the bottom. To get an even distribution of fruit, we opt to add the fruit to each pancake.

We place the banana slices down first on the skillet, pour our batter on top, then sprinkle the blueberries on top. This produces a slight caramelization on the banana and gives the blueberries a wonderfully saucy jam-like quality.

Essential equipment

Non-Skillet Skillet / Griddle: As mentioned above, you can use a well-seasoned cast iron skillet but we highly recommend using a non-stick skillet—particularly if you are cooking over a propane camp stove. We really love our GSI Bugaboo skillet, which has held up really well over the years. They also make a straight-sided square fry pan (featured in these photos) that offers a little more cooking surface.

Silicone Spatula: While you can use a wood, plastic, or silicone spatula with a non-stick skillet (so as not to scratch it), we prefer one made out of silicone. The extra flex can be helpful to sneak a peek at how your pancakes are doing.

Camp Stove: A camp stove that has good temperature control and blocks the wind will really help you dial in your pancake making. Here's a guide to the best camping stoves to help you pick one out.



How to keep pancakes warm while camping

At home, it's easy to transfer the first couple of batches of pancakes to the oven to keep them warm, but what to do at a campsite?

We've experimented with a couple of different ways to keep pancakes warm and here are the two that we've used in the past.

Note: These methods will reduce the crispiness of your pancakes, due to the trapped moisture. But it will keep them warm!

Cast Iron Skillet with Lid (Best Option): If you have also brought a cast iron skillet, it can work wonders as a holding zone. We preheat the cast iron skillet on the stove and then set it off to the side with the lid on. The cast iron really retains the heat for a long time, so we can transfer finished pancakes into the skillet to keep them warm.

Large Plate with Foil Top: If you don't have any extra skillet with you, you can load all the pancakes up on a large plate and cover them with aluminum foil.



Ingredients FOR THE PANCAKES

1 cup flour
2 tablespoons sugar
1 ½ teaspoon baking powder
½ teaspoon salt
1 cup milk
1 egg
1 banana, sliced into ¼-inch pieces
½ cup blueberries
coconut oil

TO SERVE

Maple syrup, jam, butter or honey

Instructions

At home, combine the flour, sugar, baking powder, and salt in a small sealed container. In camp, whisk the egg and milk together in a bowl with a fork. Add the dry ingredients and stir to combine, taking care not to over mix (some small lumps in the batter are okay). Heat a non-stick skillet on your camp stove over medium low heat. Add one tablespoon of coconut oil to the skillet and swirl to coat the pan. Place a few banana slices in the pan, then cover with ¼ cup of batter per pancake and sprinkle some blueberries onto each pancake. Cook for a few minutes until the tops begin to bubble and the sides are set, two or three minutes. Using a spatula, flip the pancakes and cook the other side until golden. Repeat with the rest of the batter, adding additional coconut oil into the pan as needed. To serve, stack the pancakes and top with maple syrup, jam, butter, or honey.

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This kamper although older and used, is in excellent condition. It has always been garaged when not in use, regularly serviced and maintained with original or better replacement parts. Any additional information wanted please text me. Brian 0400946684

Tare 1260 Agg 1600

New Lithium Batteries 30% increase of original setup and much lighter.

Webasto HWU Recently Serviced

Fox Shock Absorbers Recently replaced

Just serviced, new brakes fitted

Optioned up with additional storage boxes

Drawer under bed

Kwik awning

Bedioun Annexe with walls and skirt

Ensuite Tent. Original zip on to side of kamper

Webasto diesel hot water unit and shower

Ability to pump water from external source not to contaminate water tank

130litre water tank

Innersprung mattress

Rhino cargo bag

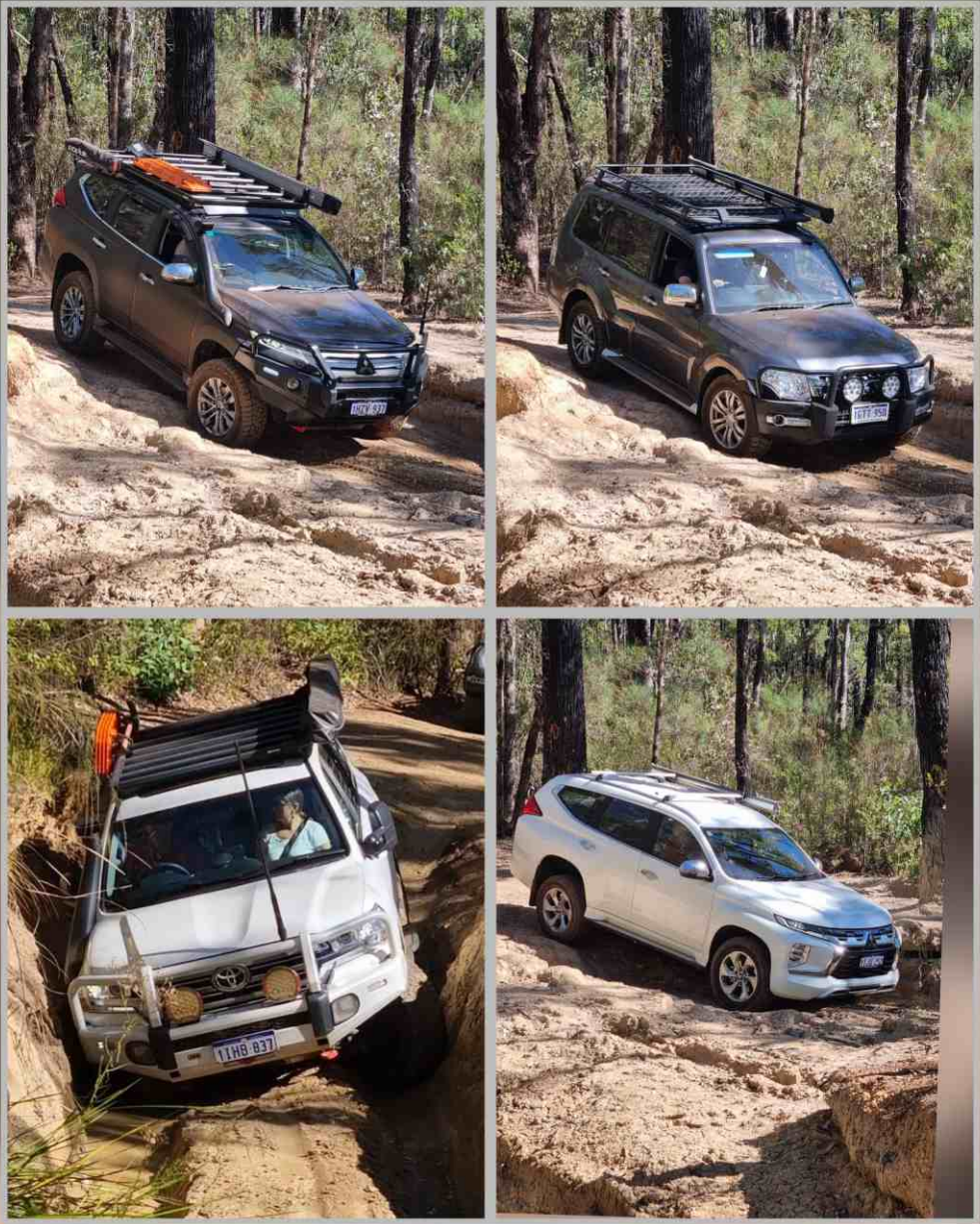
160watt portable solar panels. 80watts When folded attached to kamper with ctek solar bcde charger

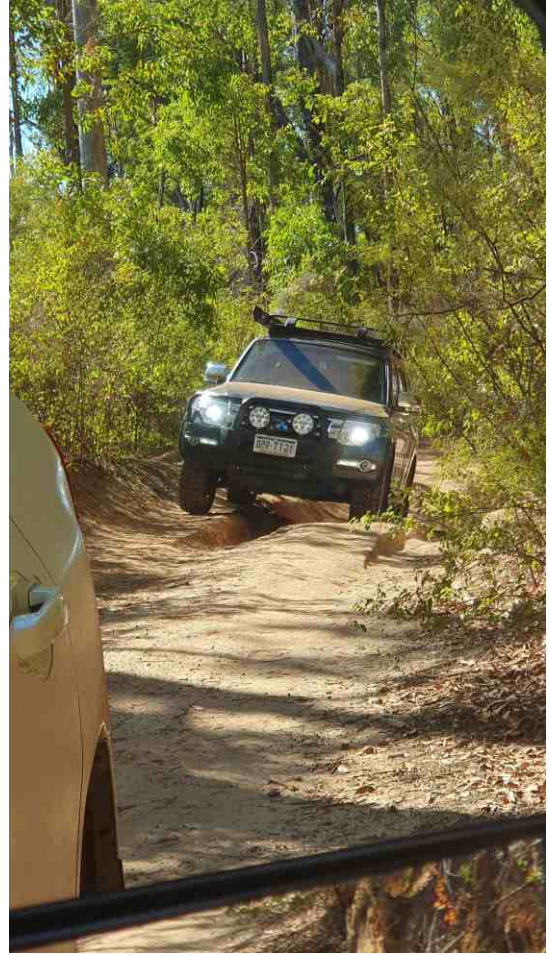
Spare wheel bearings

Good tyres

Eutectic fridge. Very economical on battery power

Many extras if wanted





















CurRy nIGHt

@

tHe pOweR's

17 McCormick Street Warnbro

Saturday 5th July 2025

From 6pm

please bring your favourite
curry for all to share

BYO Drinks

Steven and Julie
0422895121



PEEL 4X4 CLUB
NULLARBOR MUSTER
25-27 APRIL 2025

This trip is a nearly social trip that involves some driving and camping. If it rains it will be rated "go home" because everything will be closed.

The plan is to head to Rawlinna Stn for the 42nd NULLARBOR MUSTER which will take place 25-26-27 April.

The other bit of the plan is to meet up in Kalgoorlie 24th April to depart 1000wst for Rawlinna Stn. Camp Thurs-Fri-Sat -Sun at the campground and depart early Monday 28th.

At this stage, it will be a run home via the Overland Telegraph Track and the Norseman – Hyden Rd.

The trip involves sealed and maintained Hwys and dirt roads and tracks. The tracks will be very rough and corrugated and OTT was very boggy at the Eastern end last time I travelled along it. To get to the OTT we go via Balladonia...fuel and very limited supplies available.

There are no food supplies available after Kalgoorlie (though there may be coffee/food vans at the Muster).

Kalgoorlie to Rawlinna 380kms...there is very limited fuel available at Rawlinna so you need a minimum range of 900kms on board.

The campsites are all unpowered.

Tickets to the event include camping. If you think this may be for you please read all the info at their website and...this is the big one...when the tickets go on sale you need to be quick.

<https://www.nullarbormuster.org/>

<https://www.exploroz.com/treks/norseman-to-balladonia-overland-telegraph-track>

Mark SKEELS 0429108389



PEEL 4X4 CLUB...2025 RED CENTRE TRIP...START 18MAY – END 20JUN

The trip will commence on departure Kalgoorlie 1000hrs Sunday 18May2025

Departure point Cnr Hannan St and Outridge Tce...30.74S 121.48E

The trip will conclude on arrival home Saturday 20Jun2025.

DATE	DAY	O/NIGHT	
18	SUN	GREAT CENTRAL ROAD (GCR)	BUSH
19	MON	“ “ “	BUSH 25S 128.6E
20	TUES	AYERS ROCK RESORT	CARAVAN PARK
21	WED	KULGERA SIDING	BUSH 25.9S 133.4E
22	THURS	LAMBERT CENTRE	BUSH 25.6S 134.4E
23	FRI	OLD ANDADO	CARAVAN PARK
24	SAT	ALICE SPRINGS	CARAVAN PARK
25	SUN	“ “	CARAVAN PARK
26	MON	RUBY GAP	BUSH 23.5S 135E
27	TUES	RUBY GAP	BUSH
28	WED	HALE RIVER	CARAVAN PARK
29	THURS	“ “	CARAVAN PARK
30	FRI	GEMTREE	CARAVAN PARK
31	SAT	“	CARAVAN PARK
01	SUN	ATHELLE HIDEAWAY	CARAVAN PARK
02	MON	“ “	CARAVAN PARK
03	TUES	ALICE SPRINGS	CARAVAN PARK
04	WED	“ “	CARAVAN PARK
04	THURS	RAINBOW VALLEY	BUSH 24.33S 133.63E
05	FRI	“ “	BUSH
06	SAT	PALM VALLEY	BUSH 24.1S 132.7E
07	SUN	PALM VALLEY	BUSH 24.1S 132.7E
08	MON	KINGS CREEK	CARAVAN PARK
09	TUES	“ “	CARAVAN PARK
10	WED	KULGERA R/HOUSE	CARAVAN PARK
11	THURS	VICTORY DOWNS	BUSH
12	FRI	YULARA	CARAVAN PARK
13	SAT	WARAKURNA	CARAVAN PARK
14	SUN	GCR	BUSH
15	MON	GCR	BUSH
16	TUES	GCR	BUSH
17	WED	LEONORA	CARAVAN PARK
18	THURS	GOONGARRIE	BUSH
19	FRI	THE BREAKAWAYS	BUSH
20	SAT	HOME	

NOTES

1. Expect changes...weather, fires or whatever will dictate changes.
 2. Sat 06Jun will likely be staying at Hermannsburg and day trip into Palm Valley on the Sunday.
 3. Total KMs for the trip (Warnbro to Warnbro) is 7,300kms.
 4. You need a minimum 1000kms of fuel range. Expect diesel to be anywhere from 195cpl to 315cpl.
 5. We will be in and around the Alice Springs area (03-04Jun) in the run up to the Finke Desert Race...the place will be packed...really, really crowded. To try and get somewhere within a caravan park I will require absolute definite numbers along with...how you are camping... i.e.towing or swag or tent. If you want power you will need to work that out yourself as I will just be getting an "area" where we can setup.
 6. As well as Alice Springs being crowded for the Finke everywhere else will also be crowded as it's school holidays and there are going to be tourists everywhere...we won't be alone. You will need to be incredibly patient if you wish to coffee or dine out at the Ayers Rock Resort.
 7. Once we depart Alice Springs on 04Jun the only real place to get supplies is Ayers Rock Resort...it is usually well stocked but may not have everything you want...be prepared to be disappointed.
 8. Now for the extra good bit...like all places now one needs to prebook any camping in National Parks. To do this you need an acct with the NT Parks...
<https://parkbookings.nt.gov.au/Web/> your password needs a minimum of 14 things...good luck.
 9. Once you have an acct confirmed please book Ruby Gap for 26 27 May (for me it is \$10/night). Hopefully all is good and you have success.
 10. After that you can then register for a 2 week parks pass...\$30. I put start date 26May and it expires 08Jun which is good for us.
 11. All the other places requiring bookings that we can try and sort out once we are in the NT.
- If there is anything you think you need to know feel free to contact me (SMS is far better or maybe messenger) but just be aware I will be away at times during March and then the end of April and not back until the first week of May and then...well then it's time to hit the NT...

Mark SKEELS

0429108389

markskeels@hotmail.com

WESTONIA WILDFLOWER WANDER

When:

Kings Birthday Weekend Friday 26 September to Tuesday 30 September

Where:

Westonia Caravan Park Corner Kaolin Street and Wolfram Street Westonia. Check in time 2.00 PM

Accommodation:

Caravan, camper trailer, tent or swag at the caravan park.

Rooms may be available at the Westonia Tavern 90467012 phone after 4.00 PM

Caravan Park:

Caravan site \$25.00 per night Tent site \$15.00 per night.

[Caravan Park](#)

Westonia Tavern:

[Westonia Tavern](#) 90467012 phone after 4.00 PM

Bookings and payments:

At the next General Meeting 26 March please add your name to the trip sheet include if you need a caravan or tent site.

If you can't make it to the next General Meeting please email me peel4x4magazine@gmail.com include if you need a caravan or tent site.

After the next General Meeting I will make a tentative booking with the caravan park for those that are on the trip sheet plus a few extra sites.

Payment can be made at the Shire Office in Woolfram Street or to the onsite caretaker.

If you wish to stay at the Westonia Tavern please organise your own booking as a deposit will probably be required

Fuel:

Carrabin, corner Great Eastern Highway and Westonia Road
Westonia, unmanned credit card site.

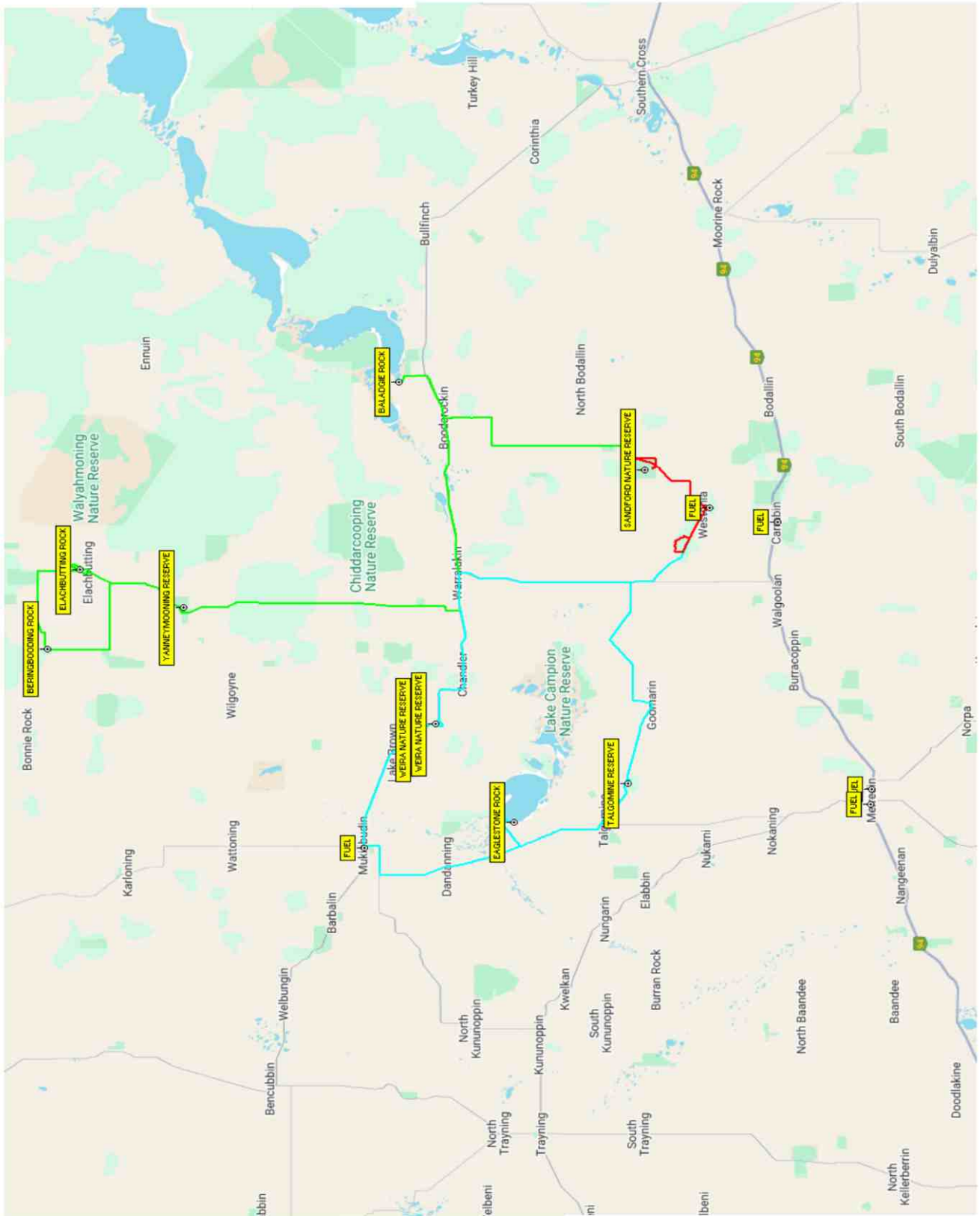
What to expect:

Saturday 27 September as some people may be arriving a walk around town and visit the museum in the morning then a 30 Km return drive to Boodalin Soak and Sandford nature reserve after lunch to look for wildflowers. Dinner at the pub for anyone interested

Sunday 28 September an early start for a 300 Km return drive to Baladgie Rock, Yanneymooning Reserve, Elachbutting Rock and Beringbooding Rock to look for wildflowers.

Monday 29 September an early start for a 170 Km return drive to Weira Nature Reserve (2 sites), Eaglestone Rock and Talgomine Reserve to look for wildflowers.

Tuesday 30 September journey home via Bruce Rock and York



Nullabor Muster & Old Telegraph Track
Wednesday 23rd April to Saturday 3rd May
Mark Skeels
Medium

ANZAC Day Long Weekend
Friday 25th April to Sunday 27th April
Information Only. No trip currently planned

Mundaring Powerlines Day Trip
Sunday 4th May
Gary Mayes
Medium depending on weather may be hard

Joondalup Motoring Festival
Sunday 4th May
Information Only

Northern Territory Red Centre; East of Alice
Springs; and Stations around the Simpson Desert
Sunday 18th May to Tuesday 24th June
Mark Skeels
Medium

WA4WDA Gathering at Kalgan River
Saturday 30th May to Monday 2nd June
WA4WDA. See Gary Mayes for further details
Medium

Mystery Day Trip
Saturday 28th June
Steven Power
Medium

Bring a platter / curry night.
Saturday 5th July
Julie Power
Social

Myalup Fishing Trip
Saturday 19th July
Jacob Yardley
Medium

Peel 4x4 Club Annual General Meeting Venue
Total & Permanent Disable Veterans of
Western Australia Clubrooms
Saturday 26th July
Peel 4x4 Club Committee
Social

Kennedy Ranges & Mt Augustus
Saturday 16th August (for approx.. 2 weeks)
Max Milbanke
Medium

Karajini & Exmouth
Following on from Kennedy Ranges & Mt
Augustus trip
Duane Buckenara
Medium

27th to 31st August
Dowerin
Mark Skeels
Medium

Wildflower Day Trip
Sunday 14th September
Peter & Donna Light
Medium

Whitegum Farm
Saturday 20th September to Sunday 21st
September
Jacob Yardley
Medium

Westonia Wildflower Wander Kings Birthday Long
Weekend
Friday 26th September to Tuesday 30th
September
Brian Tanner
Easy

Lake Perkolilli
Thursday 2nd October to Monday 6th October
Mark Skeels
Medium

Mandurah Boat, Caravan, 4WD & Camping Show
Thursday 9th October to Sunday 12th October
Information Only

Koorda Drive-In & Karrara Ranges
Friday 17th October to Saturday 25th October
Mark Skeels
Medium

Sandy Cape Swag Trip
Saturday 18th October to Sunday 19th October
Hugh Burns
Medium

Lancellin Dunes Day Trip
Sunday 2nd November
TBC
Medium

Perth 4WD Show
Thursday 6th November to Sunday 9th November
Information Only

Lennard Track Overnighter
Saturday 22nd November to Sunday 23rd
November
Gary Mayes
Medium

Peel 4x4 Club Christmas Party
Saturday 13th December (TBC)
Peel 4x4 Club Committee
Social