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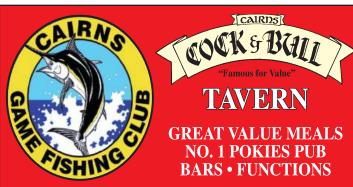
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Fishing Port Douglas News 💆

with Heff

A growing fleet of fishers around Australia are collecting vital subsurface ocean data to better understand fisheries and track the broader impacts of climate change.

Commercial fishers have taken part in a successful data collection trial, gathering millions of pieces of information – or data points – from the depths of the ocean in little more than a year.

The trial has been so successful that a growing network of fishers will officially become part of Australia's Integrated Marine Observing System (IMOS) once the trial ends later this year. IMOS has committed a further three years of funding to expand the data collection from fishers.

Dr Ian Knuckey of Fishwell Consulting says understanding subsurface ocean conditions is critical to improving ocean modelling and fisheries stock assessments in a time of rapidly changing ocean conditions.

He has led the trial as part of the two-year FRDC-funded project 'Trials of oceanographic data collection on commercial fishing vessels in SE Australia' (2022-007).

"There is good information about sea surface temperatures. But it is much more difficult to get reliable subsurface ocean information, particularly around Australia's extensive and remote coastline," explains Ian.

"It made sense to partner with Australia's commercial fishing fleet, who are putting gear into the water all the time – a perfect research platform for this type of data collection."

The project is known as 'FishSOOP' (Fisheries Ships of Opportunity Observing Program) and collaborators with Fishwell Consulting include the University of New South Wales (UNSW) and Australia's Integrated Marine Observing System.

More than 30 vessels around Australia have temperature-depth sensors attached to a diverse range of fishing gear: fish trawl nets, scallop dredges, demersal and pelagic longlines, gillnets, prawn trawl nets, traps and squid jig gear.

Time, position, depth and temperature data are recorded when fishing gear is deployed and transferred via Bluetooth to a solar-powered deck box installed on top of the vessel's wheelhouse. The data is then transferred via the mobile network to the cloud where it is collected and quality checked by the team at UNSW.

Raw data gathered on a vessel is emailed back to the participating fisher for their own information, usually within 24 hours.

As the data project moves towards its next phase, Ian highlights the data collection as crucial in helping to understand rapidly changing ocean conditions and the effects of climate change.

"This is having a big impact on how we manage our fisheries," says Ian. "One of the important things this data will do is to improve our modelling and forecasting of subsurface oceanographic conditions and help us understand their impact on fishery catch rates and stock assessments."





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Fishing On the Daintree



with Jamie Beitzel

The month of August for me on the Daintree River has absolutely flown by. Now reflecting on recent times it has been one of our better months for charters without question. The weather is always on my side and I'm not dependant on what is happening offshore. From my recollection it was still another windy month except for a week or so of glamourous conditions. It's not all about fishing for me with a few different gigs this month including some survey work for the ferry crossing and also a couple of trips assisting a film crew for footage along the river and down towards the river mouth. Not all real exciting work but I do appreciate the change.

Now down to some fishing for all you readers. It's been pretty bloody good if I'm truthful. There's been a mixture of species to keep everyone entertained and it's coming into that time of year where'd you expect that.

We saw a return of some great big queenfish come back into the system which did go missing for a bit. They tend to stick to then deeper channel section and like an incoming tide right up to the top. Suspended live sardines and even at times a surface popper has done the trick. Typically they travel in a pack so when they are in the mood you can pick up a few of them. As always it's a quick photo, handled with extreme care and released before you can say, 'how's your father'! It doesn't take

much to turn them belly them up if not dealt with efficiently and properly.

Down toward the river mouth where there's a sandy river base the golden trevally have added value. They will come into the system digging up crustaceans and the like with their big trumpet lips. They will take a live bait as well with a nice quality peeled prawn or squid always seems to work and I've been getting them up to 5kg. You can always pick up a nice javelin fish or two applying the same approach.

Back amongst the snags my wonderful system of fingermark rarely disappoint and there's been some nice estuary cod in amongst the mix. Live sardines are a got to fish the style of fishing. Fingermark to 55cm and cod to 50cm have been common.

Also at certain times my barra strike rate has continued to roll along nicely. They were staying in certain holding offices but are now venturing around as the water temperature has jumped up. Quality fish to 80cm have been encountered consistently.

Looking ahead it's only going to improve as we enter my favourite time of year. You can almost guarantee nice conditions without too many other factors. Forward bookings are essential.







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Akula Sportfishing



with Jason Knack

The month of August again did hold its 'Gremlins' as the south easterly winds reared their ugly head. We did however experience one run of brilliant weather which lasted for just over a week and I'll keep the glass half full and concentrate on this. Obviously the fishing was at its best.

It's pure and simple with weather on your side we can go far and wide to the most productive grounds. We did have a super full moon amongst this tidy weather but we did work our way around this scenario.

The large mouth nannygai in deep water 35-40m were my friends and they tended to be your solid types from 5-7kg. A combination of old fashioned pilchard and squid is all you need. A bit more squid on the hook does help as they can slurp as opposed to strike and you need them to take it in their own time.

There were some good sized coral up a touch in shallower water 25-30m of depth and you can't argue with 4-5kg models. Naturally in the same territory you come across other usual suspects such as spangled emperor and cod varieties.

Interestingly we pumped out a few spanish, spotted and school mackerel just inside the reef. Trolling between spots, floating pilchard whilst at anchor and also the school mackerel were keen on the bottom fishing rigs. At legal size they pretty much taste the same on the plate and







depending on the species is the size you can take home. Crumbed, battered or natural on a light fry you can't knock beat mackerel as one of our best fish to eat in the Far North. They are also a heap of fun to tangle with on the end of a line.

Looking ahead for those you looking to fish up this way as locals we get excited for the next couple of months. It is mostly Blue Ribbon reef and sportfishing opportunity where anything is a 'reel' possibility.

Saltaire Charters



with Craig Newbold

There's not too much that stops us from being busy in our line of work. August again saw our operation spread across the board from Port Douglas to Lizard Island and even a bit beyond.

For the remainder of the year we have committed our 35ft Saltaire Game Boat to the Lizard Island program offering tours for their resort guests including full day or half day, whether it be fishing, snorkelling or diving experiences. It's proven to be reasonably successful and worth our while to stay there till mid January. The fishing is easy with an abundance of locations to call on and as we get further there's the heavy tackle marlin fishing off the Ribbon Reefs ready to hit its straps.

Our 7m sportfishing vessel combination back in Port Douglas has had highlights especially during a great run of weather mid month, outside of this it has been a challenge with south easterly winds relentlessly hanging around this year. It has been frustrating overall but we can't control the weather.

Our 50ft Escapade conducted it's first inaugural kite surfing trip over 7 days mid month with half a dozen enthusiasts joining from around the country. It was during that brilliant stretch of weather mind you. Ideal fishing conditions but a tad more challenging for kite surfing at times.

The trip however did take us to some amazing locations including Lizard Island, Ingram Island, Turtle Group plus Hope Island. We did come across some good pockets of wind as we went and the client's feedback was very positive. Being able to

launch from actual land based beach sites was critical to their trip. There were some super star kite surfer's in the group showcasing every trick in the book and a spectacle to witness with 20ft launches, cartwheeling and all the tricks like a skateboarder.

Looking ahead we have an overnight trip with the mothership and a local game boat for fishing and leisure purposes. Then shortly afterward we have a 5 day trip on the mothership alone reef fishing with the best intention to take back some fish back down south for the clients by plane.

No doubt other activities will pop up as we enter into traditionally a very busy period.















