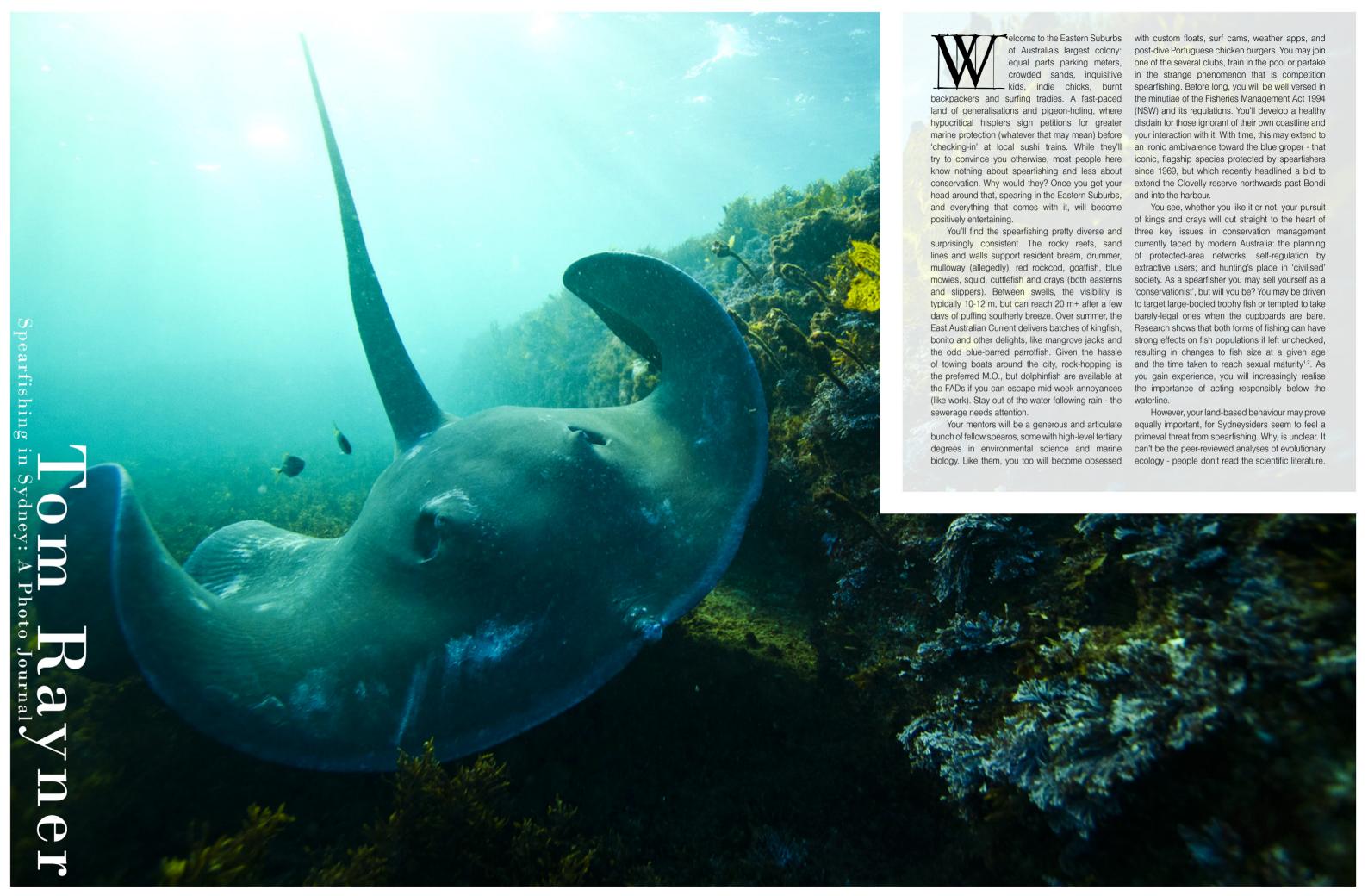
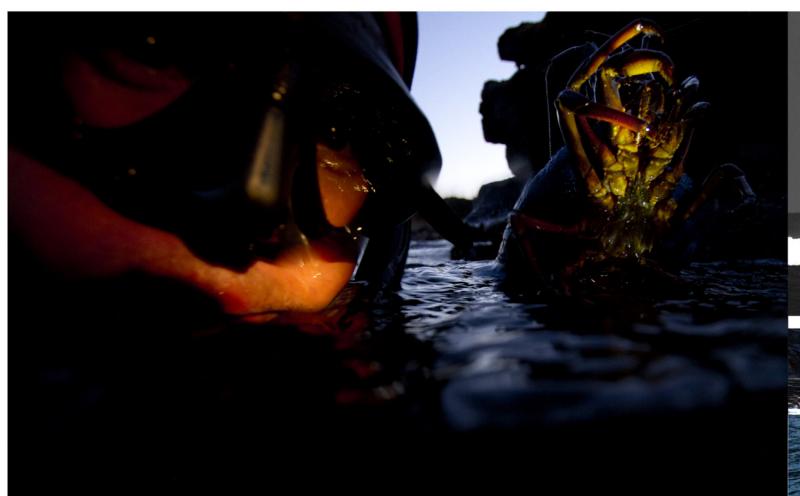


## Tom Rayner Spearfishing in Sydney: A Photo Journal











Perhaps it's an extension of their fear of deep water and sharks. Perhaps they see the harvesting of wild animal populations by individuals as invasive. Maybe it's all the camo? In reality, a combination of factors is probably at work. The problem for spearfishers is when these fears manifest as misguided, albeit potentially well-intended, fear mongering in the local press. It is particularly concerning when such articles include factual errors.

To cite the most glaring example, in late 2010, Barry Paxman, a renowned WA spearo, became embroiled in the debacle. A photo of him with a record, legallyspeared western blue groper (Achoerodus gouldii) was published without consent in Bondi street rag The Beast, alongside an article about protected areas and fishing pressure in the Eastern Suburbs. The caption read, 'If you see this guy, you should consider stabbing him to death'. Sydney spearos were quickly up in arms, understandably offended and defensive. The article was retracted, but only Paxman's commendablycalm response seemed to save the editors from legal action. Since then, Dan Trotter, a Sydney-based, selfconfessed 'fishing addict', has penned a number of informative articles for the magazine, educating readers on fishers' efforts to improve their own sustainability

and encouraging greater enforcement of existing rules.

The whole discussion raises a broader question: given that limited resources are available for conservation, should we preserve ecological 'hotspots' to maximise the protection of biodiversity, or establish protected areas in human-modified areas to promote community education and engagement? To date, the NSW Marine Parks Authority has formally stated that their focus is on the former, rather than the later. The current network of marine reserves in NSW is testament to that approach: it's why there are parks in Port Stephens and Jervis Bay, but not in Sydney. While the harbour and adjacent coastline is certainly biodiverse and ecologically valuable, it is evidently not a great candidate for a marine park in the context of a statewide conservation-planning framework.

Marine parks are contentious at the best of times. Research shows they can significantly the size, biomass and fecundity of fish within no-take zones<sup>3,4</sup>, but that spillover extends an average of just 1300 m from the boundary of these areas, with fish densities quickly dropping to 5% of within-reserve maxima<sup>5</sup>. By using algorithms in the development of zoning plans, ecological benefits can be maximised and costs (both economic and social) can be minimised<sup>6</sup>. However,

these are just decision support tools. Society is responsible for establishing conservation targets that can be used as inputs for this software. How much of each species or ecological community do we want to protect?

When you start spearing in Sydney, you will become, by default, an advocate for sustainable food production and good fisheries management. Spending time finding your cray spots (and subsequently guarding them) will only be the start of the learning curve; the rest will be developing an understanding of how your spearing fits into the bigger picture and learning how to disarm and educate punters on the beach, in the carpark and online. Honest, open, evidence-based discussion and education is the only way we can all ensure a future of well-protected marine ecosystems and quality spearfishing on Sydney's doorstep.

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