

## SUBMISSION COVERSHEET

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SUBMISSION DETAILS	Conformity of Basin governance with natural environment Terms of Reference. Matter 12. Whether the Basin Plan in its current form, its implementation, and any proposed amendments to the Plan, are adequate to achieve the objects and purposes of the Act The Plan replaces fragmented state and territory jurisdictions with an integrated management structure for the natural basin. However it does not cover flow from the South-East of South Australia into the South Lagoon of the Coorong. The South East Flows Restoration Project due for completion in June 2018 is a \$60m project funded by the Australian and SA governments that aims to repair significant ecological damage: "By restoring inflows from the South East, the SEFRP seeks to assist maintaining salinity in the Coorong South Lagoon within the target range and prevent ecological degradation during periods of low flows from the River Murray." We are attempting 'restoration' of flows that are not recognised within the Basin Plan. Definition of what constitutes the Basin is deficient and needs to be rectified if we are "to establish a sustainable and long term adaptive management framework for the Basin water resources" as identified in introductory paragraph C.e of the Commission's Terms of Reference. The South Lagoon is a critical component within a number of international conventions and agreements: • The Convention on Wetlands of International Importance (Ramsar Convention); • The Convention on Biological Diversity; and • Migratory Bird Agreements with Japan, China and the Republic of Korea.	



The Basin Plan cannot meet the environmental objectives of the Act until it includes responsibility for all inflows and salinity management in the Coorong
South Lagoon.
Presentation of findings
Matter 13. Any other related matters
"Water for South Australia" is a term in popular usage that has done great harm
to the river system. It encourages a perception in other states that the main
concern of South Australians in relation to the Basin Plan is to do with
consumptive use of the water that flows across our border. Unchallenged, that
perception will do much to diminish the force of recommendations that may come
from this Commission.
Our state borders are lines on a map that mean nothing to the natural system.
South Australians have a particular perspective on Basin health only because we
are at the end of the river system, where governance failure registers most
severely. But as consumers of water—in Adelaide or Renmark—we have no
special privileges and indeed we have no answer to the challenge that runoff
from within our state border contributes little to system flow.
It is crucial that Commission deliberations are presented from a system
perspective.
Demise of the Darling River
Matter 9. Whether, in any event, the enforcement and compliance powers under
the Act are adequate to prevent and address non-compliance with the Act and
the Basin Plan, and any recommendations for legislative or other change if needed.
Murray–Darling Basin Water Compliance Review, November 2017, from Murray-
Darling Basin Authority (MDBA) acknowledges an ABCTV broadcast in July that
year: "The Four Corners program raised questions about whether current
management rules in the Barwon-Darling system allow environmental water to
be taken by irrigators." But the Review itself, the forced resignation of a NSW
water bureaucrat and subsequent prosecutions launched against five irrigators
have all occurred only because of that television program. Why, more than six
years into the Basin Plan, did we need a television program to trigger such
actions?
The answer is given later in the Review: "The iron law of water is that extractions
upstream affect communities downstream. The need to address the conflicting
interests of the two groups is why extraction is regulated." Those two sentences
encapsulate a fateful mismatch between MDBA management culture and our
democratic intent. Australians have not committed to the Basin Plan to
adjudicate between a rice grower in St George and a pastoralist near Bourke.
We have committed billions of dollars to keep this heartland river system alive:
that is the essence of 'sustainability'. By recognising only 'two groups' within its
'iron law of water', MDBA has betrayed the primary objective of the Basin Plan. It
has been blind to a third stakeholder: the natural environment.
We are overseeing the death of the Darling River. The NSW plan to build a 270
km pipeline from Wentworth on the River Murray to "provide a long-term secure water supply for Broken Hill" is a clear signal that the NSW government has
written off the Lower Darling.
My family has pursued dryland farming on our property at Milang, alongside Lake
Alexandrina, since European settlement. How long, I ask, until Australia will
similarly write off the Lower Murray? Then my family will join today's lament from
Northern Basin Aboriginal Nations: "When seasonal water is available to the
environment our culture strengthens and the health and wellbeing of our people
improves. When our rivers and waterways are dying, we are dying with our
Country. Our science dies, our culture dies, and our ceremony dies."
The Precautionary Principle

The Precautionary Principle







	Salt is an issue that breaks up the usual Basin battlelines: every farmer knows that salt kills. Currently an average of 2.1 million tonnes of salt is exported annually through the Murray Mouth—equal to what is received in rainfall through the Basin and enough to fill a solid line of B-double trucks stretched from Adelaide to Canberra.
	This salt load has been estimated to double by 2100 because of the effects of irrigation. In endless arguments about water being 'wasted' as it flows out the Mouth I have encountered no satisfactory response to the question of how we would manage salt if we do not keep the river flowing. To date, our 'salt mitigation' schemes consist of trucking salt a relatively short distance from the stream bed. It does not leave the Basin; it is simply dumped for future
	generations to worry about. To the prompt "Does irrigation destroy civilizations" the search engine on my laptop computer returns an alarming list of articles and books that appear to answer in the affirmative. I am in no position to evaluate their worth but I ask the Commission to seek qualified advice on this matter. There is at least a prima facie case that we are embarked on a fool's errand as we lower enormous extraction pipes into our rivers. The Commission may give us a late and precious opportunity to pause and think beyond the next balance sheet or electoral cycle.
	Technological change In my 1950s boyhood, I carried canvas water bags out to men pitchforking sheaves of hay onto a trailer for later stacking by those same pitchforks. My uncle kept a fenced run for about eight Clydesdale horses: he had grown up with the breed and loved them. Thus he was a soft touch: as friends and neighbours bought their first tractors they had called upon him to save a faithful servant from a bullet.
	Today—with only very occasional assistance from a retired farmer—our share farmer runs around 2,000 sheep and produces about 3,000 tonnes of grain and 1,000 rolls of pasture hay annually. Membership of Milang Agricultural Bureau, approximately thirty, represents perhaps two-thirds of broad-acre farmers in an arc stretching from Goolwa to Woodchester and Langhorne Creek. I would conservatively say that more than 300 farmers would have been working that land when I was lugging water bottles out into the paddocks. In my lifetime, agriculture has been revolutionised by technological change.
	And the pace is increasing. Monthly Bureau meetings receive presentations on the latest advances in soil husbandry and fertilisers, GPS steering for tractors, drones, pesticides, soil and moisture mapping, stock handling equipment, and so on. The list is endless. And the same change agents apply throughout the Basin (and are turbocharged with microelectronic aids for irrigation). Objective and result are consistent: enhanced labour productivity and a hollowing out of rural populations.
	In considering the social and economic impacts of the Basin Plan it is essential that we separate the effects of reductions in water volume extractions from other change agents. I do not consider that this has been done satisfactorily in the Northern Basin Review report or in assessment of the thirty seven projects accepted as justification for reducing 2,750 Gl of environmental water by 605 Gl.
DOCUMENTS UPLOADED?	No
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