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Attached to this email is my submission to the Select Committee. I apologise for the hand writing but I don't have good computer skills.

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THE WATER ACT IS ABOUT ENSURING THE ENVIRONMENT IS NOT COMPROMISED. THE "TRIPLE BOTTOM LINE" IS ABOUT TRYING TO SOUND FAIR AND REASONABLE WHILE REALLY SIDELINING THE ENVIRONMENT. IT IS USED CONSTANTLY TO JUSTIFY NO LOSS OF WATER BACK TO THE ENVIRONMENT. IT IS PARTICULARLY USED TO DENY THE 450 GL THAT IS DESPERATELY NEEDED BY THE ENVIRONMENT. HOWEVER, OVERALLOCATED IS OVERALLOCATED AND MUST BE REVERSED TO COME IN LINE WITH THE WATER ACT'S REQUIREMENT THAT ENVIRONMENTAL PRIORITIES BE GIVEN PRIMACY WHEN DETERMINING AN ESLT AND AN SAL.

CLIMATE CHANGE HAS BARELY BEEN CONSIDERED AND IN MOST REGARDS THIS WILL IMPACT THE ENVIRONMENT. FOR EXAMPLE, THE DETERMINATION OF THE ESLT RANGE WAS INFLUENCED BY FACTORING IN A RUN OFF DROP OF 3%, DESPITE THE CSIRO PROJECTION BEING 11% (6.4). CLIMATE CHANGE MUST NOT BE WATERED DOWN BY JARGON OR 'FEELING'. NOR SHOULD GOOD SCIENCE BE SUBSTITUTED BY PRETEND SCIENCE, SELECTIVE SCIENCE OR NO SCIENCE.

ASSERTING THAT CLIMATE CHANGE RISK IS SHARED BETWEEN THE ENVIRONMENT AND LICENCE HOLDERS (EXTRACTION) BY YEARLY ALLOCATION BASED ON WATER AVAILABILITY IS NONSENSICAL IN A POLICY SENSE AS WELL AS UNLAWFUL (6.11). THIS WILL SIMPLY MEAN LESS WATER FOR THE ENVIRONMENT AND WOULD NOT HAVE HAPPENED IF THERE WAS NO EXTRACTION. ALL FLOWS WERE ENVIRONMENTAL FLOWS. EXTRACTION CAN ONLY OCCUR IF ALL THE ENVIRONMENTAL NEEDS ARE MET.

BASED ON THE TOTALITY OF EVIDENCE BEFORE THE COMMISSION, THE RANGE OF WATER RECOVERY IN THE GUIDE TO THE PROPOSED BASIN PLAN OF BETWEEN 3980 GL AND 6980 GL IS MOST LIKELY THE RANGE THAT RESULTS FROM PROPER CONSTRUCTION OF THE TERN

ESLT IN THE WATER ACT, AND RESULTS IN AN SDL THAT REFLECTS AN ESLT CONSISTANT WITH RELEVANT PROVISIONS OF THE WATER ACT.

POLITICS RATHER THAN SCIENCE ULTIMATELY DROVE THE SETTING OF THE BASIN WIDE SDL AND THE RECOVERY FIGURE OF 2750 GL. THE RECOVERY AMOUNT HAD TO START WITH A '2'. THIS WAS NOT A SCIENTIFIC DETERMINATION BUT ONE MADE BY SENIOR MANAGEMENT AND THE BOARD OF THE MIDBA. IT IS AN UNLAWFUL APPROACH. IT IS A MAL-ADMINISTRATION. (5.5 - C)

WHAT HAPPENS NATURALLY IS THAT WATER FLOWS DOWN STREAM AND SO EVERYBODY + THAT ENVIRONMENT TAKES THEIR BIT. AND SO ON DOWN RIVER. WITH A SHORTAGE FOR THE ENVIRONMENT THE AREA MOST AT RISK IS THE END OR BOTTOM OF THE SYSTEM. IRONICALLY THIS GOT ALL FLOWS AFTER TRANSMISSION LOSSES AND SO LOSES THE MOST. THE COORONG IS IN GRAVE PERIL, PARTICULARLY THE SOUTH LAGOON BUT SO TOO ARE THE VARIETY OF FISH REQUIRING ATTRACTANT FLOWS OF FRESH WATER FOR BREEDING EVENTS. FISHERMEN ARE CONSTANTLY TOLD THEY OVERFISH WHEN THE REALITY IS THE ENVIRONMENT IS BEING RESTRICTED AND IS SLOWLY BEING PUSHED TO CATASTROPHY. THE LOWER DARLING IS THE OBVIOUS EXAMPLE.

WITH OUT THE 450 GL SOMETHING WILL HAVE TO GIVE. IT WILL BE THE COORONG. FOR EXAMPLE RESTORING THE FLOWS FROM THE SE IS GREAT, BUT THIS IS LIKLY TO BE INSTEAD OF MURRAY WATER. ^{ANOTHER SDL} A MURRAY WATER USED TO FRESHEN THE NORTH LAGOON THAT WAS THEN PUSHED

⑤ BY THE EARLY WINTER WINDS INTO THE SOUTH LAGOON. THE OPPOSITE OCCURED IN SUMMER. THE HEIGHT DIFFERENCE BETWEEN THE TWO IS AROUND 2 METRES AND THE WATER PUSHED INTO THE SOUTH LAGOON IN WINTER IS ABOUT HALF THE SUMMER VOLUME. THIS WAS THE MAIN FRESHENING EFFECT. THE SE FLOWS ON TOP OF THIS WOULD STOP THE SOUTH LAGOON FROM REACHING THE CRITICAL 2 TIMES SALTIER THAN THE SEA POINT, WHERE EVERYTHING STARTS TO DIE. THIS ^{SEASON} CURRENTLY ISN'T HAPPENING ^{ENOUGH} AND NOT ENOUGH MURRAY WATER IS AVAILABLE SO EVERY YEAR THE SOUTH LAGOON DIES. WE LOSE ALL OUR RECRUITS. THERE ARE NOT ENOUGH SMALL BAITFISH FOR BREEDING BIRDS. THE CYANOBACTERIA BLOOMS THAT FOLLOW END UP DEOXYGENATING THE WATER AND WE THEN END UP WITH SULPHIDIFICATION ISSUES. THIS WILL GET WORSE IF MURRAY FLOWS ARE STOPPED. THE AREA OF THE NORTH LAGOON IMMEDIATELY NEXT TO THE SOUTH LAGOON WILL HAVE HYPERSALINE WATER STILL IN IT AND PUSHED BACK INTO THE SOUTH LAGOON IN WINTER IT WILL BE VERY CLOSE TO TOO SALTY TO LIVE IN. THIS PROBABLY ~~WILL~~ ^{WILL} BE THE END FOR THE COORONG.

ANOTHER EXAMPLE IS THE PROPOSED INTER-CONNECTOR BETWEEN LAKE ALBERT AND THE COORONG. WHILE RELEASING WATER FROM THIS POINT INTO THE COORONG WILL PROBABLY REQUIRE A LIKE REDUCTION FROM THE BARRAGES THERE IS TALK OF THIS BEING AN SIDL WHGLE BECAUSE IT IS

4) RELEASED FURTHER UP THE COORONG IT SOME-
HOW IS FAR BETTER. THIS WILL HAVE A MULTIPLY
EFFECT HAPPEN WHERE FOR EVERY GL RELEASED
FROM THE INTER CONNECTOR, THERE WILL BE A
REDUCTION OF 1 GL ~~10~~ TIMES THE MULTIPLYER
NUMBER FROM THE BARRAGES. THERE ARE
ALSO ENVIRONMENTAL CONCERNS AROUND THESE
RELEASES RE MOBILIZATION OF NUTRIENT THAT
WILL SEE AN ALGAL BLOOM THAT WILL FEED THE
WORM TUBE BOMMIES AND SEE AN EXPLOSION OF
NUMBERS LIMITING FLOW TO SUCH AN EXTENT
THAT IT WILL EFFECTIVELY BE LIKE THE SOUTH
LAGOON FROM THIS POINT UPSTREAM.
THERE ^{ARE} A LOT OF OTHER POINTS LIKE THIS, BUT
THIS SETS THE SCENE.

WHAT I BELIEVE WE NEED IS FIRSTLY - THE PLAN
IN PLACE. WITHOUT IT I WILL LOSE THE COORONG
WE ALL WILL. BUT IT NEEDS FIXING. FULLFILLMENT
OF THE VARIOUS TREATY OBLIGATIONS MUST COME
FIRST. THERE CAN BE NO COMPROMISE. DEGRADED
ENVIRONMENTS MUST BE RESTORED THEN PROTECT-
ED, ALONG WITH ALL THE REST. IT IS UTTER
NONSENSE FOR IRRIGATORS TO SUGGEST THAT
IT IS OK TO LOSE SOME ENVIRONMENT
BECAUSE THEY HAVE MADE A NEW ONE WHERE
THEY IRRIGATE.

THE BASIN PLAN ALLOWS FOR INDIVIDUAL STATES
TO LOOK TO PROTECT THEIR PERCEIVED RIGHTS OR
SHARE WITH THE THREAT OF WALKING AWAY FROM
THE PLAN. SURELY THE REQUIREMENT OF THE
WATER ACT THAT ENVIRONMENTAL NEEDS MUST
TAKE PRIMACY SHOULD BE A NON NEGOTIABLE.
THERE NEEDS TO BE A REDETERMINATION OF THE
ESLT AND AMENDMENT TO THE BASIN PLAN


PROVISIONS RELATING TO SDUs SO THERE IS NO LONGER REQUIREMENT FOR THE ADDITIONAL 450GL AND ALSO TAKING ACCOUNT OF GLOBAL WARMING.

- THERE NEEDS TO BE A REPEAL ON THE 1500 GL CAP ON BUY BACKS. THIS REMAINS AS THE MOST EFFECTIVE MEANS OF GETTING MORE 'REAL' OR 'WET' WATER FOR THE ENVIRONMENT.
- THERE NEEDS TO BE A GENUINE AND FRANK OPENNESS AND TRANSPARENCY AND THIS IS A MOST EFFECTIVE TOOL FOR COMBATING ILLEGAL ACTIVITIES, SECRET DEALS AND MANIPULATION OF OUTCOMES. PROPER AND WELL RESOURCED COMPLIANCE IS ALSO REQUIRED FOR 'ON THE GROUND' CHECKS AND ASSURANCES
- THERE MUST BE AN URGENT CONSIDERATION FOR THE NEED OF DILUTION FLOWS. THIS WORLDWIDE IS ABOUT 20% BUT MAY BE HIGHER IN THE BASIN DUE TO ITS INTERMITTENT, HIGH TEMP RELATIVELY FLAT AND SLOW MOVING CAPABILITY.
- RESTORATION OF THE SE FLOWS ARE CRITICAL TO THE HEALTH OF THE SOUTH LAGOON BUT ARE NOT INSTEAD OF FLOWS FROM THE MURRAY.
- FLOWS FROM THE MURRAY NEED TO BE ALLOCATED FOR THE SOUTH LAGOON SPECIFICALLY. AT THE END OF SUMMER, WHEN THE SOUTH LAGOON WATER LEVEL IS BELOW SEA LEVEL DUE TO THE PREDOMINANTLY SOUTH / SOUTH EAST WINDS PUSHING WATER OUT OF THE COORONG, AND WHEN WE GO INTO THE CALM WEATHER AROUND EASTER, THERE IS AN OPPORTUNITY TO RELEASE FRESH WATER FLOWS THAT WILL MAKE ITS WAY UPSTREAM TOWARDS THE SOUTH LAGOON. NONE OF THIS WATER WILL GO OUT THE MOUTH PROVIDED IT IS RELEASED AT TAWITCHERIE AND AT THE RIGHT TIME OF YEAR THE EARLY WINTER WINDS WILL THEN PUSH THIS INTO THE SOUTH LAGOON.

(6)
IF FLOWS FROM SALT CREEK ARE USED AS DILUTION
FLOWS AND THE SALINITY RATE IS KEPT BELOW
2 TIMES SALTIER THAN THE SEA (PREFERABLY
SEA WATER SALINITY) THEN WE CAN TURN THIS
AROUND.

- THERE MAY BE A NEED TO TEMPORARILY PUMP IN
SEA WATER. THIS BEING FULL OF CALCIUM
CARBONATE WILL ACTIVELY WORK ON THE SULPHID-
IFICATION ISSUES THAT ARE CURRENTLY PLAQUEING
THE SOUTH LAGOON THIS IS A HIGHLY COMPLEX
ISSUE AS ARE MANY OTHERS INCLUDING THEIR
RELATIONSHIP TO EACH OTHER. I AM HAPPY TO
PROVIDE FURTHER INFORMATION OR ANSWER ANY
QUESTIONS

MY FINAL POINT IS IN TWO PARTS. FIRSTLY,
THERE HAS BEEN A VARIETY OF PEOPLE WHO SEEM
TO GET THE EAR OF DEPARTMENTS OR MINISTERS
BUT WHO'S SUGGESTIONS ARE ACTUALLY DETRIMENTAL
TO THE COORONG. THERE ARE MANY NEW
BREATHING IN THE WINGS. ^{SECONDLY} OUR COMMUNITY ~~IS~~ IS
SUPPORTING A PUSH TO HAVE THE COORONG TRUST
RECOGNISED AS A BODY THAT CAN MAKE
RECOMMENDATIONS TO THE MINISTER OF THE
DAY ON THESE ISSUES. THERE IS CURRENTLY
A PARLIAMENTARY INQUIRY INTO THE PROPOSAL.
I WOULD EXPECT THIS TO BE A VERY GOOD 'ON
GROUND' MECHANISM TO LOOK AT FINE TUNING
ISSUES AND BE ABLE TO TAKE THE POLITICS
OUT OF THIS ISSUE.

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