

REFERENCES

- BLWMP Working Group (1995). *Berriquin Community's Land and Water Management Plan*. Berriquin Land and Water Management Plan Working Group, NSW.
- Christidis, L., Boles, W. E. (1994). *The Taxonomy and Species of Birds of Australia and its Territories*. Royal Australian Ornithologists Union Monograph 2. RAOU (Birds Australia), Melbourne.
- Cummings, B. (1983) Affidavit sworn the 16th day of June, 1983. Senior Engineer, Water Resources Commission. DLWC file: 57SL44436.
- Cunningham, G. M., Mulham, W. E., Milthorpe, P. L., Leigh, J. H. (1992) *Plants of Western New South Wales*. Inkata Press, Melbourne.
- Cawley R 2003 *An overview of Water Quality & Flow in the Yanco & Colombo Creeks*
DLWC (1999) Streambook printout - 13/4/1999.
- DLWC (1998) *Windows on Water. The State of Water in NSW – 1996-1997*. Department of Land and Water Conservation, Centre for Natural Resources.
- DLWC (1996) *The NSW Wetlands Management Policy*. Department of Land and Water Conservation, Sydney.
- DLWC (2002) *Draft Western Riverina Regional Vegetation Management Plan and Advisory Manual* Rowe M
- DLWC (2002) *Draft Western Riverina Regional Vegetation Management Plan and Advisory Manual Appendices* Rowe M
- DLWC (1995) *NSW Weirs Policy as part of NSW Government Water Reform*
- DWR (1988) *Berriquin Surface Drainage Scheme. Stage IV. Box Creek, Yalgadoori, Blighty Retreat, Woodbury, Myrtle Park, Ulupna Extension and Mooney Swamp Basins*. Supplement to Review of Environmental Factors for Proposed Surface Drainage Works in the Berriquin Irrigation District (1980). Report No. TS 88.015. Department of Water Resources, Murray Region.
- DWR (1993) *Statement of Environmental Effects for Forest Creek Regulator*. Department of Water Resources, Murray Region.
- Erskine WD & Webb AA 2003 *Desnagging to Resnagging: New directions in river rehabilitation in Southeastern Australia*
- Finlayson, C.M., Roberts, J., Chick, A.J., Sale, P.J.M. (1983) The Biology of Australian Weeds. II. *Typha domingensis* Pers. and *Typha orientalis* Presl. *The Journal of the Australian Institute of Agricultural Science* 49(1): 3-11.
- GHD (1999) *Environmental Impact Statement. Proposed Wollamai West Stormwater Escape Channel*. November 1999. Gutteridge Haskins & Davey P/L (Melbourne) in association with Biosis Research P/L and Lesryk Environmental Consultants.
- Glazebrook, H., Taylor, I. R. (1998) *Fivebough and Tuckerbil Swamps. A Review of their History, Conservation Values and Future Management Options*. Report No. 105. The Johnstone Centre, Charles Sturt University, Albury.

- Green, D. (1994) *Wetland Requirements and River Operations in the Murray Region*. Environmental Studies Unit, Technical Services Division. TS 94.093. Water Resources, NSW.
- Grose, J. (1993) *Natural Resources of the Berriquin Irrigation District*. August 1993. NSW Department of Water Resources. Technical Services Division. Environmental Studies Unit.
- Hobbs, J. N. (1956) A Flood Year in the Riverina, **in** *The Emu*. Vol 56, 1956. Royal Australasian Ornithologists Union, Melbourne.
- Leslie, D. J. (in press) Effect of River Management on Colonially-Nesting Waterbirds in the Barmah-Millewa Forest, south-eastern Australia. Regulated Rivers: Research and Management.
- Longhurst M (July 2002) *Initial Weir Review Summary for Murrumbidgee Catchment*. Recreational Fishing (Freshwater) Trust Fund.
- DLWC & NSW Fisheries Maher, P. (1988) Historical records on bird species utilising Wanganella Swamps 1978-1988, Forest And Clarkes Creek areas. Unpublished. Report to the NSW Department of Water Resources.
- Maguire J. Wetlands officer DIPNR Leeton Office. *Preliminary assessment of wetlands on the Yanco Creek*. Unpublished 2003.
- MCMC (2000) *Surface Water Quality Monitoring Strategy*. Murray Catchment Management Committee, Water Quality Working Group.
- Molino Stewart (1999) *Strategic Plan for the Yanco and Billabong Creeks System. Volume 1 – the plan itself*. Molino Stewart Environmental Services, Sydney.
- Murphy, B. W. & Eldridge, D. J. (1991) Soils of New South Wales, **in** Charman & Eldridge (eds) *Soils. Their properties and management*. Sydney University Press.
- Nicolls D (2000) *Yanco/Colombo/Billabong Inspection Report*. Department of Land & water Conservation, Leeton NSW NPWS (1995) NPWS Wildlife Atlas. CD-ROM.
- Nolan-ITU Pty Ltd (1998) *Strategic Plan for Yanco/Billabong Creeks and Tributaries*. Prepared for Molino Stewart Pty Ltd. Nolan-ITU, Melbourne.
- NSW Fisheries (1999) *Policy and Guidelines- Aquatic Habitat Management and Fish Conservation*
- NSW Fisheries (1999) *Policy and Guidelines for Bridges, Roads, Causeways, Culverts and Similar Structures*
- Page K. and Dare-Edwards T. *Pleistocene human occupation site at lake Urana, New South Wales*. Australian Archeology Journal Number 38, 1994.
- Porteners, M. F. (1993) The natural vegetation of the Hay Plain: Booligal-Hay and Deniliquin-Bendigo 1:250 000 maps. *Cunninghamia* 3 (1): 1-256.
- Roberts, J., Pasma, S. (1993) Wanganella Swamps **in** Wilson, A. (ed) *River, Plain and Sandhill. Proceedings Southern Riverina Field Naturalists Club Inc.* Vol 1. 1993. Southern Riverina Field Naturalists Club Inc., Deniliquin.
- Sainty, G. R., Jacobs, S. W. L. (1994) *Waterplants in Australia. A Field Guide*. Sainty and Associates, NSW.

- Sainty, G.R., Jacobs, S.W.L. (1981) *Waterplants of New South Wales*. Water Resources Commission NSW.
- Simpson, P. (1994) *Report on Investigations into the Yanco Creek System*. Department of Water Resources, NSW.
- SRFNC (1996) Letter from Southern Riverina Field Naturalists Club, 1996. DLWC File: 7004471.
- Tolhurst, M. (undated) *Song of Running Water*. Developing and securing the prosperity of one million acres of the Riverina along the Yanco, Colombo and Billabong Creeks. Unpublished.
- WCIC (1973) *Report on Investigations Associated with the Yanco, Colombo and Billabong Creeks Water Trust District*. May 1973. Water Conservation and Irrigation Commission, NSW.
- Webster, R. (2000) *Flora and Fauna Habitat Assessment of Travelling Stock Reserves in the Riverina Rural Land Protection Board*. Ecosurveys, Deniliquin.
- White, G., Andrews, S., McAllister, R. (1985) *Environmental Assessment of Works to Augment Regulated Flows within the Yanco, Colombo and Billabong Creeks System*. Water Resources Commission, Environmental Studies Group.
- WRC (undated) *A Story of the Southern Riverina Irrigation Districts in New South Wales*. Water Resources Commission, NSW.
- WRRVC (1999) *Towards the Development of the Western Riverina Regional Vegetation Management Plan. Discussion Paper*. Western Riverina Regional Vegetation Committee.

GLOSSARY

Allocation	The amount of water a licence holder can extract from the river during a year (does not include off-allocation water). This is calculated by multiplying the amount of entitlement to water of a water licence by the percentage allocation for the current water year (declared by DLWC). This depends on how much water is in the dams and the minimum inflow of tributaries below the dam.
Anabran	A stream that leaves the river and re-joins it further down.
Biodiversity	The variety of all life forms, comprising genetic diversity (within species), species diversity (between species) and ecosystem diversity.
Block Bank	An earth bank placed in a waterway or on a floodplain to divert water passage.
Cap	A limit on the amount of water which may be diverted from the river for consumptive uses, eg the Murray Darling Basin Ministerial Council announced a cap on water use in the Murray Darling Basin in 1995.
Catchment	The area of land drained by a river and its tributaries.
Catchment Management Authority	New South Wales Government Agency with responsibility for Catchment Management. They are based on regional areas and report to an appointed board who in turn reports to the Minister of Natural Resources.
Channel Capacity	The volume of water which can pass along the river channel at a certain point without spilling over the tops of banks.
Confluence	The point at which two or more streams flow together.
Contingency Allowance	A volume of water reserved in a supply dam for release in response to ecological and/or water quality needs, eg release may be required to maintain water levels in a wetland to enable waterbirds to complete breeding, or to flush an algal bloom.
Dryland Salinity	Accumulation of salt in the soil and water of non-irrigated areas, caused by clearing vegetation in areas with saline water tables; the uptake of water by plants is reduced, allowing the watertable with soluble salts to rise, killing plants and creating bare areas of land prone to erosion.
Ecosystem	Any system in which there is an interdependence upon an interaction between living organisms and their immediate physical, chemical and biological environment, such as a pond, forest or wetland.

Effluent Creek	A creek which leaves a watercourse and does not rejoin it (the opposite of a tributary).
Environment	The <i>Protection of the Environment Administration Act 1991</i> defines the environment as: components of the earth including: <ul style="list-style-type: none"> • land, air and water • any layer of the atmosphere • any organic or inorganic matter and any living organism • human-made or modified structures and areas, and includes interacting natural ecosystems that include components of the above.
Environmental Flows	Flows, or characteristics of flow patterns, which are either protected or created for environmental purposes.
Ephemeral	Temporary or intermittent, for instance a creek or wetland which dries out periodically.
Extraction	Water taken from rivers for off-stream or consumptive use.
Fishway	A structure designed to enable fish to move through a physical barrier (dam or weir) in a waterway. Sometimes called a fish ladder.
Flood Runner	A natural channel in a floodplain which carries flowing water only during a flood.
Floodplain	Flat land adjacent to a river that is inundated when the river overflows its banks during floods.
Floods	Flows which are high enough at their peak to overrun river banks or cause flow through to high-level anabranches, flood runners or wetlands.
Flow Regime	The pattern of flow in river which can be described in terms of quantity, frequency, duration and seasonal nature of water flows.
Freshes	Flows that produce a substantial rise in river height for a short period, but which do not overrun the river banks or inundate adjacent land.
Groundwater	Underground water filling the void in rocks; water in the zone of saturation in the earth's crust.
Habitat	The type of environment in which plants and animals occur.
Hydrology	The study of the distribution and movement of water.
Indicator	Any physical, chemical or biological characteristic used as a measure of environmental quality.
Median value	The middle value in a sequence.

Megalitre (ML)	One million litres.
Natural Flow Regime	The likely pattern of flow before European settlement in Australia.
Off-Allocation Flows	Water which has not been released from storage, but comes from dam spills and/or inflows from tributaries below the dam.
Regulated	A river or creek where water is released from major government-owned storages to meet diversion requirements.
Regulator	A structure used to control the flow of water, for example, diverting water away from the main channel down an effluent stream.
Retaining Bank	A constructed embankment to prevent river overflow.
Riparian Zone	Land which adjoins, or directly influences a body of water.
Tributary	A river or creek which flows into a larger river.
Unregulated	A river or stream where water is not released from major storages to meet user requirements. There may still be dams or weirs built on unregulated streams by private users.
Watertable	The surface of a groundwater body.
Wetland	Areas that are wet for a long enough period such that the plants and animals living in them are adapted to, and often dependent on, living in wet conditions for at least part of their life cycle. The inundation determines the type and productivity of the soils and plant and animal communities.

LIST OF ABBREVIATIONS

Where terms in the Yanco Creek System Natural Resource Management Plan are used they mean the following:

ABS	Australian Bureau of Statistics
ANZECC (2000)	Australia & New Zealand Environment & Conservation Council- <i>Guidelines for Water Quality Monitoring and Reporting</i> .
ARMCANZ	Agriculture & Resource Management Council of Australia & New Zealand
CCD	Coleambally Catchment Drain
CIA	Coleambally Irrigation Area
CICL	Coleambally Irrigation Co-operative Ltd
COLMOR	DIPNR water quality and flow station 410014, Colombo Creek at Morunda
COLURA	DIPNR water quality and flow station 410100628, Colombo Creek at Urana Road.
CMA	Catchment Management Authority
CSIRO	Commonwealth Scientific and Industrial Research Organisation
DIPNR	Department of Infrastructure Planning and Natural Resources
DLRA	Department of Lands & Rural Affairs
EC	Electrical Conductivity
EP & A	Environmental Planning & Assessment
EPA	Environmental Protection Authority
IMEF	Integrated Monitoring of Environmental Flows
IPAP	Integrated Procedures & Assessment Protocols
IVR	Interactive Voice Response
LEP	Local Environmental Plan
LGA	Local Government Area
LWD	Large Woody Debris (commonly known as snags)
MCMB	Murrumbidgee Catchment Management Board
MEU	Ministry of Energies and Utilities
MI	Murrumbidgee Irrigation
MIA	Murrumbidgee Irrigation Area
MIL	Murray Irrigation Ltd
ML	Megalitres- 1 Million Litres = 1ML
MPII	Murrumbidgee Private Irrigators Inc.
MRCSC	Murrumbidgee River Customer Service Committee
MRMC	Murrumbidgee River Management Committee
NPWS	National Parks & Wildlife Service
NRMP	Natural Resource Management Plan
NTU	Nephebmetric Turbidity Units
NVC	Native Vegetation Conservation Act 1997
OH & S	Occupational Health & Safety
RFI	Rivers & Foreshores Improvement Act 1948
SCADA	Supervisory Control and Data Acquisition
TS	Total Phosphorus
WAMC	Water Advisory Management Committee
WMA	Water Management Act 2000
WRRVMP	Western Riverina Regional Vegetation Management Plan
WSP	Water Sharing Plan
YANCKB	DIPNR water quality and flow station 410169, Yanco Creek at Bridge 321
YANCKS	DIPNR water quality and flow station 410007, Yanco Creek at Offtake.
YANMOR	DIPNR water quality and flow station 410015, Yanco Creek at Morunda.
YCATAc	Yanco Creek and Tributaries Advisory Council Inc
YCS	Yanco Creek System