

Cockburn River Water Source









Water Source Context	River Flows
<p>Area: 1130km²</p> <p>Average Annual Rainfall: 675mm (Tamworth) – 800mm (Ranges)</p> <p>Upstream water source: n/a</p> <p>Down stream water source: Peel Regulated River Water Source</p>	<p>Low Flow Index (50th%ile for flow days only).</p> <p>= 68 ML/d modelled estimate</p> <p>= 37 ML/d in Cockburn River @ Mulla Mulla Crossing</p> <p>(Modelled data used for hydrological stress estimates.</p> <p>Flow Records:</p> <p>70 years of data from Cockburn River @ Mulla Mulla Crossing</p> <p>Note: 50th percentile of flow days only is used instead of the guideline 80th percentile of all flow days as this more accurately reflects the hydrological stress of these inland water sources.</p>
Licensed Water Use	
<p>Total Entitlement = 4,488 ML + TWS of 120 ML = 4,608 ML</p> <ul style="list-style-type: none"> 1 Town water supply licence for Moonbi and Kootingal from Cockburn River 78 Irrigation Licences = 4,240ML, 7 with domestic and stock component, = 37ML 4 Domestic and stock only licences = 23 ML 3 Industrial licences = 173ML, 1 with domestic and stock component = 5ML 2 "Farming" licences = 10ML 	

Background Information		
Water Source Attributes	Rating	Justification
Economic Significance of Irrigation	Medium	<ul style="list-style-type: none"> 1% employment in agriculture. Medium Community dependence on extraction.
Risk to Instream Value (from extraction)	Medium	<ul style="list-style-type: none"> Instream values are moderately impacted by extractions within the water source.
Hydrologic Stress	High	<ul style="list-style-type: none"> Within Water source = High. Peak extraction demand exceeds available flows in summer.
Instream Value	High	<ul style="list-style-type: none"> 2 threatened fish species. <i>- only concerned catfish numbers.</i> 5 threatened frog species. 9 threatened bird species. 1 threatened reptile species. 2 threatened bat species. 2 endangered ecological communities. 1 threatened population.

9th May 2006

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DRAFT
Cockburn River Water Source
Namoi Unregulated Rivers Water Sources 2006

-  Water Source Boundaries
-  Cockburn River Tributaries Management Zone
-  Water Storages/Dams
-  Watercourses
-  Cockburn River Management Zone
-  Draft Peel Regulated River Water Source
-  Flow Reference Points
-  Regional Towns and Localities

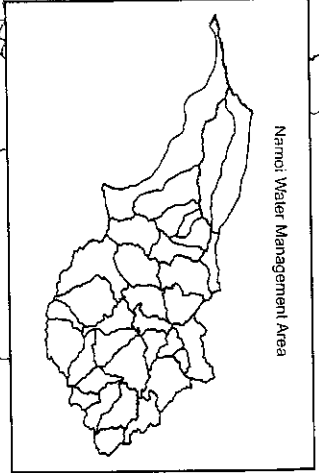
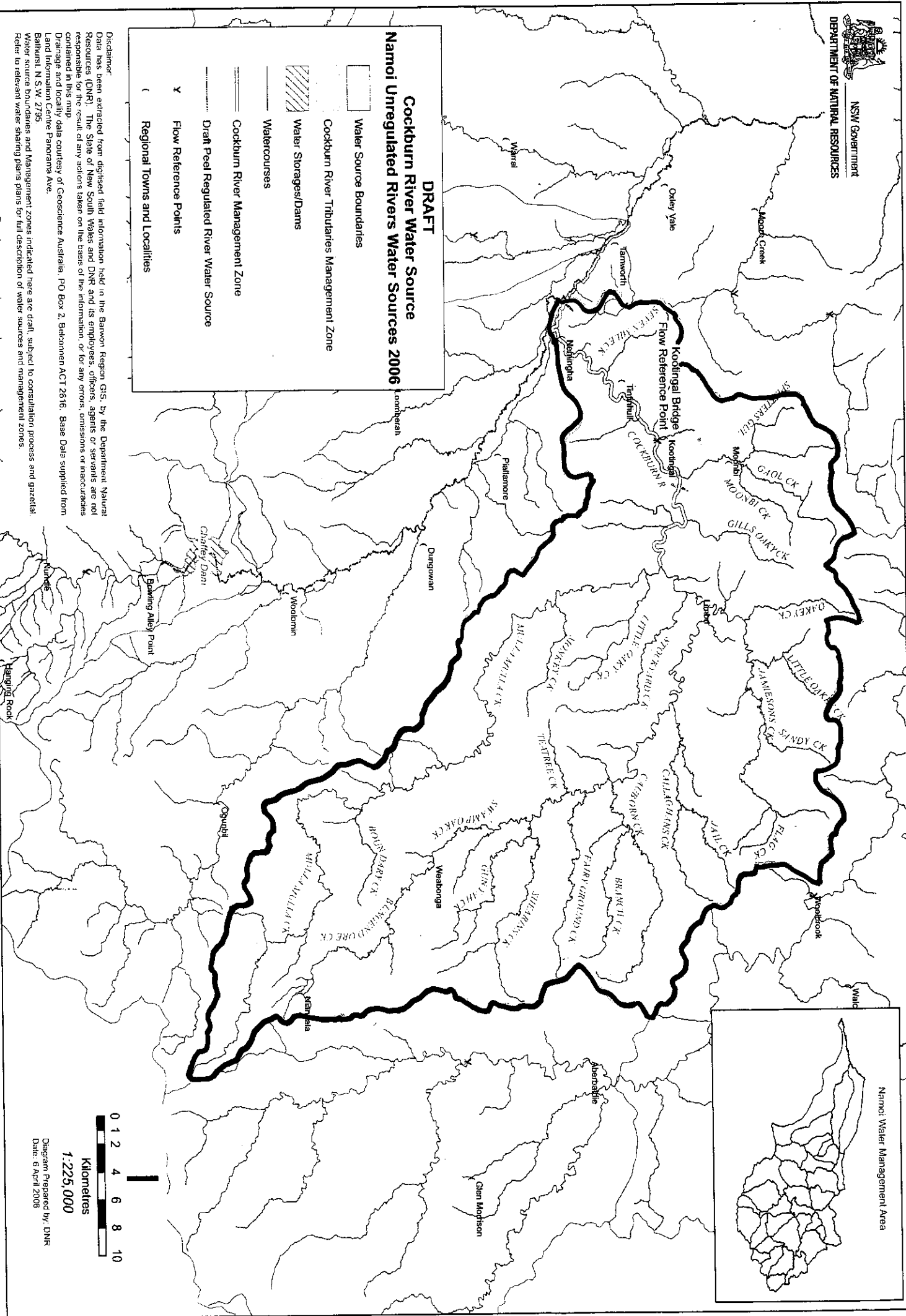


Diagram Prepared by: DNR
Date: 6 April 2006

Disclaimer:
Data has been extracted from digitised field information held in the Barwon Region GIS, by the Department of Natural Resources (DNR). The State of New South Wales and DNR and its employees, officers, agents or servants are not responsible for the result of any actions taken on the basis of the information, or for any errors, omissions or inaccuracies contained in this map.
Drainage and locality data courtesy of Geoscience Australia, PO Box 2, Barton ACT 2816. Base Data supplied from Bathurst, N.S.W. 2795.
Water source boundaries and Management Zones indicated here are draft, subject to consultation process and gazettal. Refer to relevant water sharing plans for full description of water sources and management zones.