



# ENDEAVOUR RIVER

## River Basin Summary



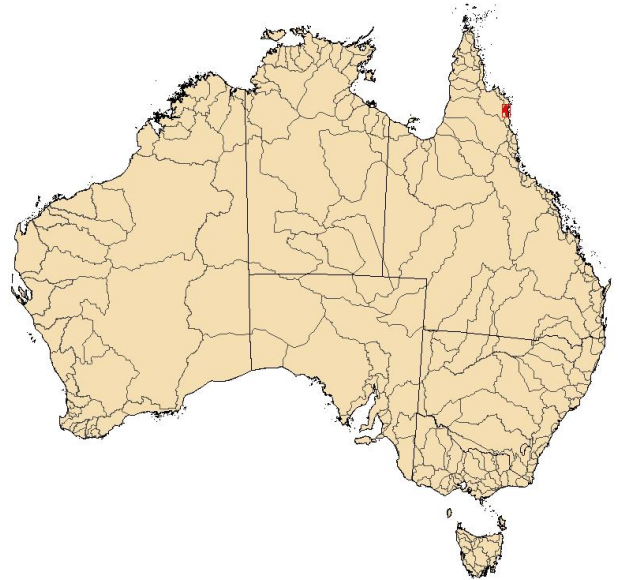
**Population (2006):**<sup>1</sup> 2,438  
**Major Towns:**<sup>1</sup> Cooktown  
**Major Rivers:**<sup>2</sup> Annan River, Endeavour River Right Branch, Endeavour River

**Surface Water Storages:**<sup>2, 3, 4</sup>

Largest known storages: Annan River  
 No. of storages: 1  
 Storage capacity (ML): 380

**Licensed Irrigation:**

Largest areas:<sup>3</sup> None  
 Number of licenses:<sup>5</sup> n/a  
 Average annual allocation (ML):  
     Since 1996-97: n/a  
     Minimum: n/a  
     Maximum: n/a  
 Average annual diversion (ML):  
     Since 1996-97: n/a  
     Minimum: n/a  
     Maximum: n/a



**Groundwater:**

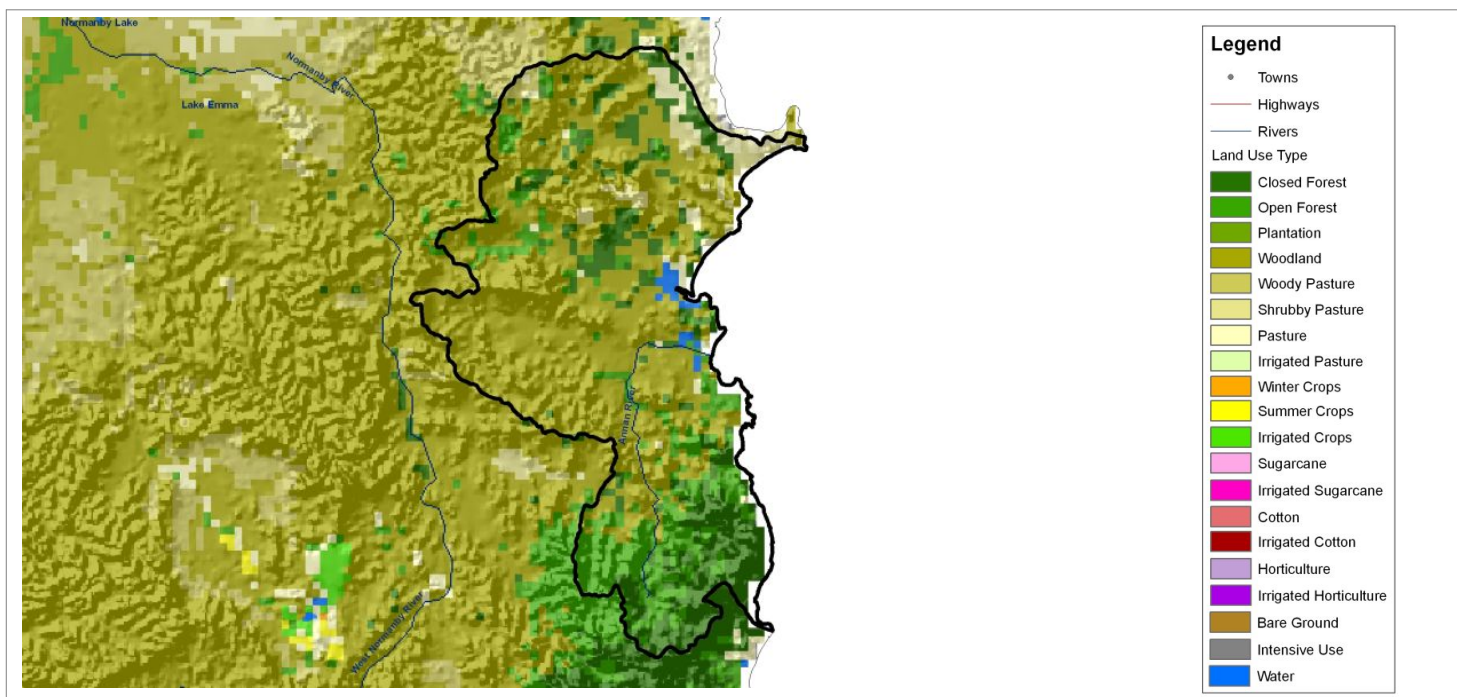
Number of production bores:<sup>7</sup> 191  
 Recharge rate (mm/year):<sup>8</sup> Data being compiled  
 Yield (ML/year):<sup>8</sup> Data being compiled  
 Extraction (ML/year):<sup>7</sup> Data being compiled

**Rainfall Reliability:**

Chance of receiving average seasonal rainfall:<sup>8</sup> High (>5 yrs in 10)

<sup>1</sup> Australian Bureau of Statistics (2006); <sup>2</sup> Geosciences Australia (1999); <sup>3</sup> National Land and Water Resources Audit (2000); <sup>4</sup> Australian National Committee on Large Dams (2004); <sup>5</sup> Australian National Committee - International Commission on Irrigation and Drainage (2005); <sup>6</sup> Murray Darling Basin Commission (2005); <sup>7</sup> State Agencies (2006); <sup>8</sup> Bureau of Rural Sciences (2007); <sup>x</sup> Incomplete

n/a = Not available



## ENDEAVOUR RIVER

### Modelled Annual Water Balance

Land Use Type	Area (sqkm)	Precipitation (ML)	Runoff (ML)	ET (ML)	Deep drainage (ML)	Irrigation (ML)	Return flow (ML)
Closed Forest	372	1,011,421	427,474	568,630	15,317	0	0
Open Forest	302	751,845	297,394	443,508	10,943	0	0
Plantation	0	0	0	0	0	0	0
Woodland	1,190	2,305,337	753,936	1,517,571	33,830	0	0
Woody Pasture	12	22,751	8,929	13,468	354	0	0
Shrubby Pasture	45	88,437	35,300	51,699	1,438	0	0
Pasture	59	115,682	50,512	63,174	1,996	0	0
Irrigated Pasture	0	0	0	0	0	0	0
Winter Crops	0	0	0	0	0	0	0
Summer / Fodder Crops	0	0	0	0	0	0	0
Irrigated Crops	0	0	0	0	0	0	0
Sugarcane	0	0	0	0	0	0	0
Irrigated Sugarcane	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0
Irrigated Cotton	0	0	0	0	0	0	0
Horticulture	0	0	0	0	0	0	0
Irrigated Horticulture	0	0	0	0	0	0	0
Bare Ground	0	0	0	0	0	0	0
Intensive Use	0	0	0	0	0	0	0
Water	19	34,906	17,155	17,204	547	0	0
<b>Entire Basin</b>	<b>2,054</b>	<b>4,450,638</b>	<b>1,590,700</b>	<b>2,795,513</b>	<b>64,425</b>	<b>0</b>	<b>0</b>
<b>NLWRA<sup>1</sup></b>	<b>2,104</b>	<b>n/a</b>	<b>1,610,000</b>	<b>n/a</b>	<b>n/a</b>	<b>3,523</b>	<b>n/a</b>
<b>AWRC<sup>2</sup></b>	<b>2,200</b>	<b>n/a</b>	<b>1,780,000</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>

Data Sources: Land use data sourced from the Bureau of Rural Sciences. Precipitation data sourced from the Australian Bureau of Meteorology. All other data derived from the Bureau of Rural Sciences' steady-state annual water balance model.

<sup>1</sup>National Land and Water Resources Audit (2000); <sup>2</sup>Australian Water Resource Council (1987); n/a = Not available

# ENDEAVOUR RIVER

## Average Annual Water Resource Summary (GL)

### Water Supply

Runoff: <sup>1</sup>	1,591
Transfers: <sup>1, 2</sup>	0
Groundwater Sustainable Yield: <sup>3</sup>	8
<b>Total:</b>	<b>1,599</b>

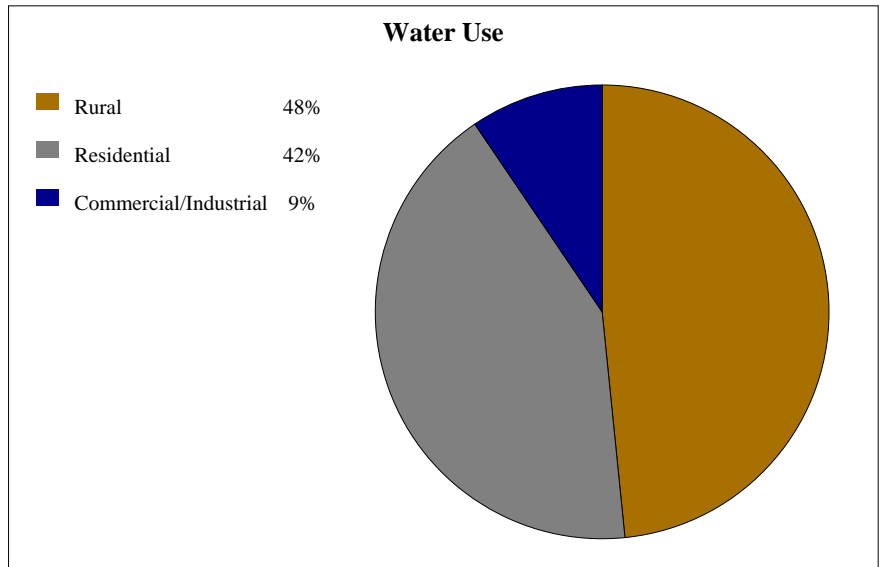
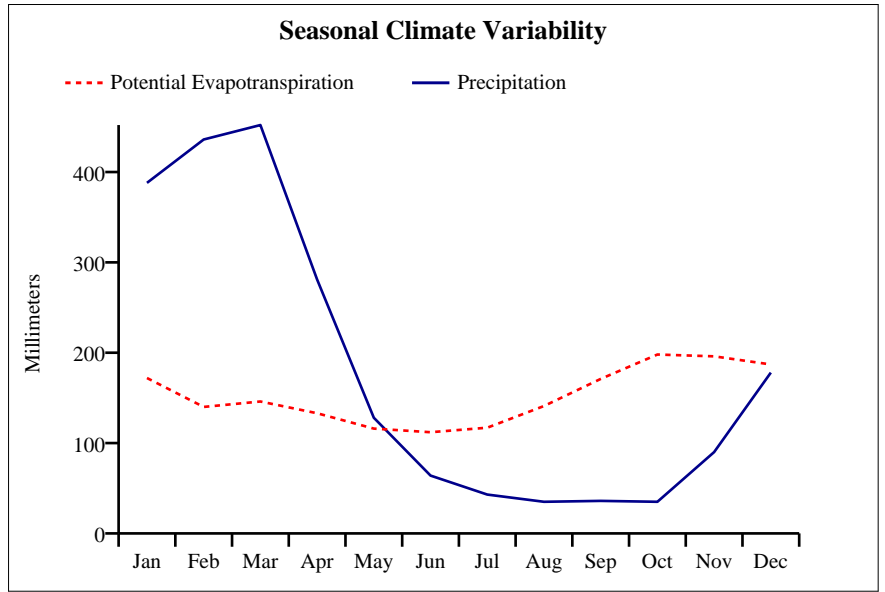
### Water Use

Irrigation: <sup>1</sup>	0
Residential: <sup>1</sup>	<1
Commercial/Industrial: <sup>3</sup>	<1
Rural (Stock/Domestic): <sup>3</sup>	<1
Transfers: <sup>1, 2</sup>	0
<b>Total:</b>	<b>&lt;1</b>

**Total Use (% of Supply):** <1%

### River Flows

Retained in Storage: <sup>~</sup>	<1
Environmental Flows:	Data being compiled
Transmission Losses: <sup>^</sup>	398
Return Flows: <sup>1</sup>	<1
<b>Outflow:<sup>@</sup></b>	<b>1,193</b>



<sup>1</sup>Bureau of Rural Sciences (2007); <sup>2</sup>Australian Water Resource Council (1987); <sup>3</sup>National Land and Water Resources Audit (2000)

<sup>#</sup>Groundwater only; <sup>\*</sup>Surface water only; <sup>~</sup>5% of total storage; <sup>^</sup>25% of runoff; <sup>x</sup>incomplete

<sup>@</sup>Surface water (supply - use - retention in storage - transmission losses + environmental flows + return flows)

n/a = Not available