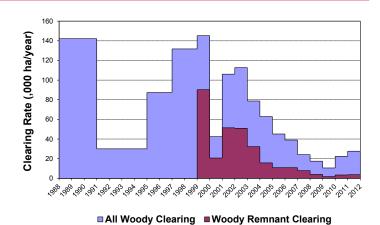
Land cover change in the Border Rivers, Maranoa-Balonne region 2011–12

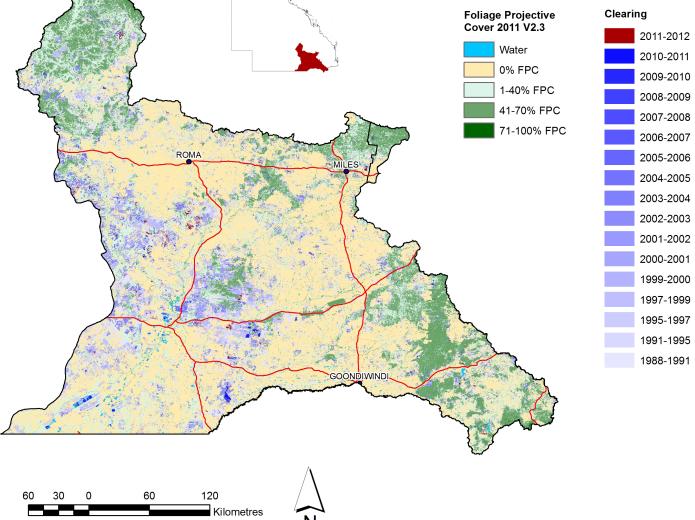
Summary

In the 2011–12 era, woody vegetation clearing in the Border Rivers, Maranoa-Balonne region saw a 24% increase to 27 570 hectares per year (ha/yr) from 22 334 ha/yr in the 2010–11 era. In 2011–12, clearing to the replacement land cover class of pasture accounted for 94% of total clearing.

Clearing of remnant woody vegetation comprised 13% of the total woody vegetation clearing for the region.











Woody vegetation clearing by remnant status

Table 1. Remnant and non-remnant woody vegetation clearing rates in the Border Rivers, Maranoa-Balonne region.

	Woody vegetation clearing rate (,000 ha/yr) of				
Period	Non-remnant woody	Remnant woody*	Total woody		
1999-00	54.996	90.226	145.223		
2000-01	21.781	20.613	42.395		
2001-02	54.631	51.410	106.041		
2002-03	61.808	50.896	112.704		
2003-04	46.484	32.243	78.727		
2004-05	47.172	15.665	62.837		
2005-06	34.273	10.822	45.095		
2006-07	28.202	10.772	38.974		
2007-08	16.267	7.782	24.048		
2008-09	13.512	3.914	17.426		
2009-10	8.794	1.709	10.503		
2010-11	18.967	3.366	22.333		
2011-12	23.917	3.653	27.570		

^{*} Regional ecosystem remnant mapping prior to 1999 not used in this analysis.

Woody vegetation clearing by tenure

Table 2. Woody vegetation clearing rates in the Border Rivers, Maranoa-Balonne region by tenure.

	Woody vegetation clearing rate (,000 ha/yr) on					
Period	Freehold	Leasehold	Reserves	Other tenures	Total	
1988-91	102.555	38.486	0.807	0.279	142.126	
1991-95	20.474	9.247	0.246	0.021	29.988	
1995-97	70.028	16.788	0.392	0.093	87.300	
1997-99	103.214	27.277	1.148	0.065	131.704	
1999-00	127.425	17.326	0.455	0.016	145.221	
2000-01	31.092	11.105	0.188	0.000	42.385	
2001-02	87.163	18.636	0.238	0.001	106.038	
2002-03	97.796	14.211	0.694	0.000	112.702	
2003-04	55.993	21.893	0.838	0.000	78.723	
2004-05	49.387	12.036	1.414	0.000	62.836	
2005-06	35.318	9.481	0.297	0.000	45.095	
2006-07	29.612	8.801	0.380	0.181	38.974	
2007-08	17.876	3.899	2.273	0.000	24.048	
2008-09	10.897	6.034	0.495	0.000	17.426	
2009-10	8.043	2.151	0.309	0.000	10.503	
2010-11	19.908	1.797	0.629	0.000	22.334	
2011-12	24.369	2.788	0.411	0.003	27.570	

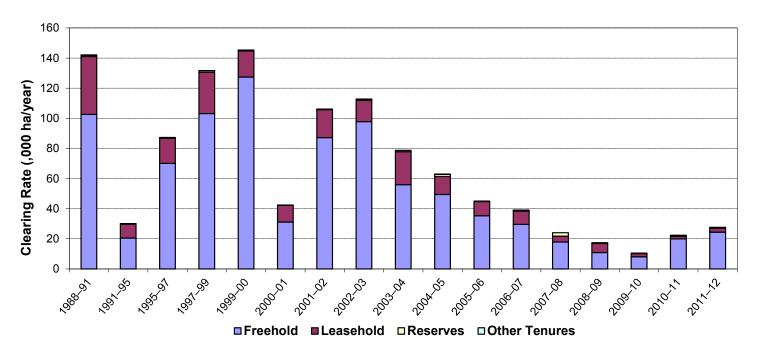


Figure 3. Woody vegetation clearing rates in the Border Rivers, Maranoa-Balonne region by tenure.

Woody vegetation clearing by subcatchment

Table 3. Woody vegetation clearing rates in the Border Rivers, Maranoa-Balonne region by subcatchment *.

Woody vegetation	Period					
clearing rate (,000 ha/yr) for	2007- 08	2008- 09	2009- 10	2010- 11	2011- 12	
Balonne River	9.277	6.705	2.126	10.732	12.558	
Condamine River	0.312	0.417	0.215	0.140	1.229	
Dumaresq River	1.713	0.406	0.612	0.814	1.266	
Macintyre & Weir Rivers	2.633	2.292	1.232	4.056	1.612	
Macintyre Brook	1.542	0.777	0.396	0.286	1.735	
Maranoa River	5.517	5.646	4.924	1.906	4.460	
Moonie River	3.054	1.184	0.998	4.399	4.710	
Total	24.048	17.426	10.503	22.333	27.570	

[#] Please refer to Figure 25 and Table 19 of the main report (DSITIA, 2014) for the location of each subcatchment.

Remaining woody vegetation

Table 4. Remaining woody vegetation in the Border Rivers, Maranoa-Balonne region by subcatchment.

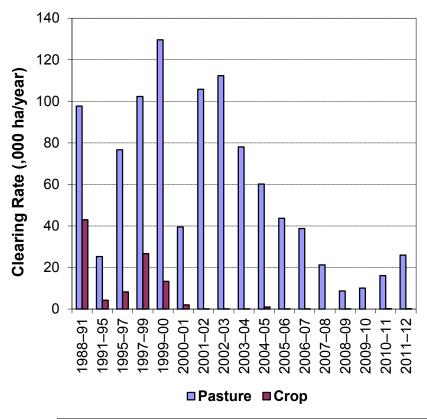
	Catchment area (,000 ha)	Area woody 2011 V2.3 (,000 ha)	% of catchment woody in 2011
Balonne River	3735	1296	35
Condamine River	599	121	20
Dumaresq River	431	279	65
Macintyre & Weir Rivers	1519	598	39
Macintyre Brook	432	260	60
Maranoa River	2004	1303	65
Moonie River	1456	473	33
Total	10175	4329	43

Woody vegetation clearing by replacement land cover

Table 5. Woody vegetation clearing rates in the Border Rivers, Maranoa-Balonne region by replacement land cover.

		Woody vegetation clearing rate (,000 ha/yr) for						
Period	Pasture	Crop	Forestry	Mining	Infrastructure	Settlement	Total*	
1988-91	97.719	42.968	0.000	0.001	1.457	0.002	142.148	
1991-95	25.264	4.224	0.251	0.000	0.244	0.006	29.990	
1995-97	76.681	8.285	0.335	0.002	1.978	0.027	87.309	
1997-99	102.292	26.694	0.904	0.000	1.813	0.022	131.725	
1999-00	129.605	13.334	0.328	0.000	1.946	0.010	145.223	
2000-01	39.502	2.048	0.056	0.007	0.777	0.005	42.395	
2001-02	105.777	0.082	0.000	0.000	0.037	0.000	105.897	
2002-03	112.282	0.125	0.000	0.003	0.029	0.000	112.438	
2003-04	78.082	0.052	0.000	0.000	0.579	0.013	78.727	
2004-05	60.202	1.042	1.413	0.000	0.178	0.001	62.837	
2005-06	43.719	0.005	1.339	0.007	0.025	0.001	45.095	
2006-07	38.736	0.014	0.117	0.011	0.094	0.002	38.974	
2007-08	21.257	0.000	2.523	0.015	0.239	0.014	24.048	
2008-09	16.742	0.016	0.573	0.002	0.038	0.054	17.426	
2009-10	10.118	0.000	0.312	0.001	0.072	0.000	10.503	
2010-11	16.143	0.184	0.646	0.296	5.063	0.001	22.333	
2011–12	25.956	0.147	0.407	0.542	0.501	0.017	27.570	

^{*} Total excludes natural tree death.



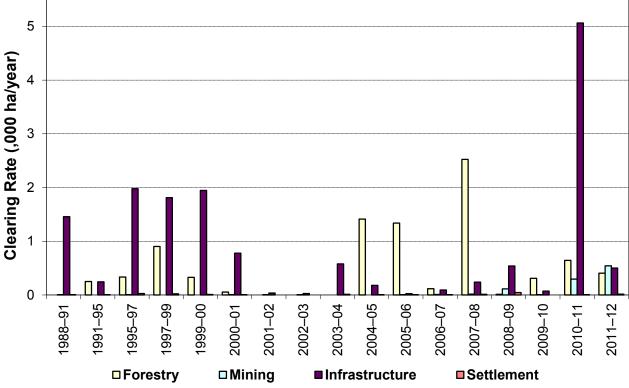


Figure 4. Woody vegetation clearing rates in the Border Rivers, Maranoa-Balonne region by replacement land cover.

This fact sheet is 8 of 13 in a series detailing land cover change in Queensland's Natural Resource Management Regions. These fact sheets are addenda to the report: Department of Science, Information Technology, Innovation and the Arts (2014). Land cover change in Queensland 2011–12: a Statewide Landcover and Trees Study (SLATS) Report, 2014. Department of Science, Information Technology, Innovation and the Arts, Brisbane.

Please refer to this report for further background, methods and explanatory notes.

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For further information: Statewide Landcover and Trees Study 41 Boggo Road Dutton Park QLD 4102

Phone: 61 7 3170 5686

Email: dave.harris@dsitia.qld.gov.au