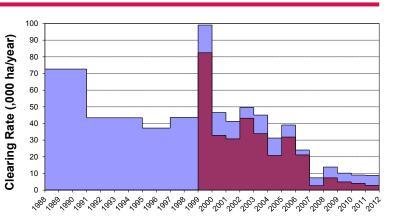
### Land cover change in the Desert Channels region 2011–12

### Summary

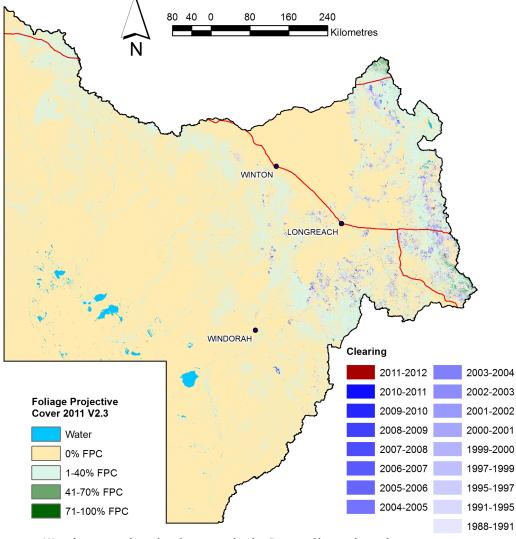
In 2011–12, the woody vegetation clearing rate in the Desert Channels region showed a decrease of 3% from the previous era, to 8 814 hectares per year (ha/yr). Of this, approximately 32% was clearing of remnant woody vegetation. South East Queensland Region and this region were the only regions with decreases from the 2010–11 reported rates.

As with all previous eras, woody vegetation clearing was predominantly to the replacement land cover class of pasture, and in 2011–12 this accounted for 98% of total clearing.

Woody vegetation clearing in the Desert Channels region was primarily in the catchment of the Barcoo River, with 69% of the total clearing, even though five of the other catchments in the region are larger in area.



■ All Woody Clearing ■Woody Remnant Clearing Figure 1. Woody vegetation clearing for each change period.



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Figure 2. Woody vegetation clearing rates in the Desert Channels region.



# Woody vegetation clearing by remnant status

Table 1. Remnant and non-remnant woody vegetationclearing rates in the Desert Channels region.

	Woody vegetation clearing rate (,000 ha/yr) of				
Period	Non-remnant woody	Remnant woody*	Total woody		
1999–00	16.623	82.450	99.073		
2000-01	13.717	32.868	46.585		
2001-02	10.552	30.758	41.310		
2002-03	6.507	43.161	49.668		
2003-04	11.137	33.903	45.040		
2004-05	10.469	20.790	31.258		
2005-06	7.233	31.851	39.084		
2006-07	2.938	21.137	24.076		
2007-08	4.720	2.662	7.382		
2008-09	6.489	7.367	13.856		
2009–10	5.266	4.929	10.195		
2010-11	4.989	4.072	9.061		
2011-12	6.005	2.809	8.814		

\* 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 Desert Channels region by tenure.

	Woody vegetation clearing rate (,000 ha/yr) on					
Period	Freehold	Leasehold	Reserves	Other tenures	Total	
1988-91	24.281	48.312	0.046	0.018	72.658	
1991-95	15.143	28.249	0.014	0.002	43.407	
1995-97	15.999	21.170	0.068	0.004	37.240	
1997-99	19.752	23.765	0.002	0.112	43.631	
1999-00	69.674	29.372	0.004	0.023	99.073	
2000-01	14.824	31.750	0.008	0.003	46.585	
2001-02	20.923	20.351	0.036	0.000	41.310	
2002-03	17.221	32.447	0.000	0.000	49.668	
2003-04	20.096	24.920	0.015	0.000	45.030	
2004-05	6.906	24.332	0.020	0.000	31.258	
2005-06	10.555	28.512	0.017	0.000	39.084	
2006-07	3.654	20.388	0.033	0.000	24.076	
2007-08	1.569	5.813	0.000	0.000	7.382	
2008–09	2.647	11.206	0.004	0.000	13.856	
2009-10	4.897	5.283	0.014	0.000	10.195	
2010-11	5.042	4.018	0.001	0.000	9.061	
2011-12	4.092	4.721	0.001	0.000	8.814	

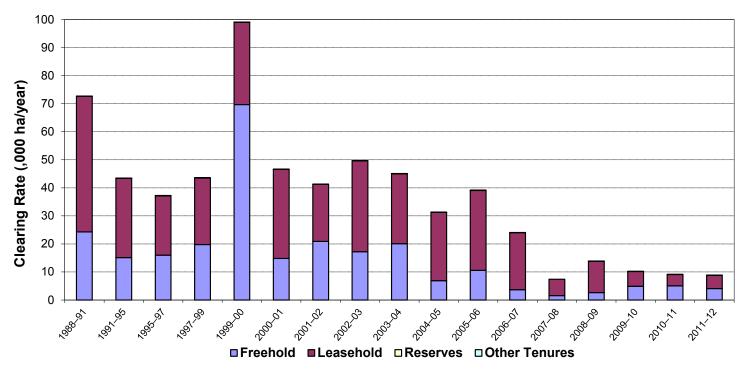


Figure 3. Woody vegetation clearing rates in the Desert Channels region by tenure.

## Woody vegetation clearing by subcatchment

Table 3. Woody vegetation clearing rates in the Desert Channels region by subcatchment <sup>#</sup>.

Woody vegetation	Period					
clearing rate (,000 ha/yr) for	2007- 08	2008- 09	2009- 10	2010- 11	2011- 12	
Barcoo River	4.512	11.362	7.163	5.803	6.111	
Cooper Creek	0.220	0.622	0.099	0.869	0.404	
Diamantina River	0.060	0.012	0.034	0.065	0.025	
Eyre Creek	0.005	0.004	0.013	0.003	0.008	
Georgina River	0.009	0.095	0.034	0.011	0.026	
Нау	0.000	0.000	0.000	0.000	0.000	
Thomson River	2.576	1.761	2.853	2.309	2.240	
Total	7.382	13.856	10.195	9.060	8.814	

# 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 Desert Channels region by subcatchment.

	Catchment area (,000 ha)	Area woody 2011 V2.3 (,000 ha)	% of catchment woody in 2011
Barcoo River	5322	2375	45
Cooper Creek	9575	1107	12
Diamantina River	11917	1545	13
Eyre Creek	7178	484	7
Georgina River	7208	1688	23
Нау	277	8	3
Thomson River	9493	3088	33
Total	50970	10295	20

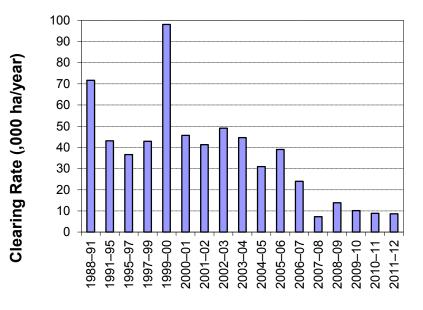
Note: Catchments with a low proportion of woody vegetation cover may contain significant areas of natural grasslands.

### Woody vegetation clearing by replacement land cover

Table 5. Woody vegetation clearing rates in the Desert Channels Queensland NRM region by replacement land cover.

	Woody vegetation clearing rate (,000ha/yr) for						
Period	Pasture	Crop	Forestry	Mining	Infrastructure	Settlement	Total*
1988–91	71.644	0.000	0.000	0.004	1.011	0.000	72.658
1991-95	43.085	0.000	0.000	0.032	0.304	0.000	43.421
1995–97	36.578	0.000	0.000	0.006	0.650	0.007	37.241
1997-99	42.854	0.000	0.000	0.013	0.770	0.000	43.637
1999-00	98.048	0.000	0.000	0.002	1.023	0.000	99.073
2000-01	45.694	0.000	0.000	0.000	0.889	0.002	46.585
2001-02	41.259	0.000	0.000	0.000	0.051	0.000	41.310
2002-03	49.607	0.000	0.000	0.000	0.062	0.000	49.668
2003-04	44.571	0.000	0.000	0.040	0.429	0.000	45.040
2004-05	30.907	0.000	0.000	0.000	0.350	0.001	31.258
2005-06	38.988	0.000	0.000	0.001	0.095	0.000	39.084
2006-07	23.969	0.000	0.000	0.066	0.040	0.000	24.076
2007-08	7.243	0.000	0.000	0.009	0.130	0.000	7.382
2008-09	13.814	0.000	0.000	0.002	0.040	0.000	13.856
2009-10	10.148	0.000	0.000	0.009	0.038	0.000	10.195
2010-11	8.855	0.000	0.000	0.001	0.204	0.001	9.061
2011-12	8.631	0.000	0.000	0.010	0.172	0.001	8.814

\* Total excludes natural tree death.



Pasture

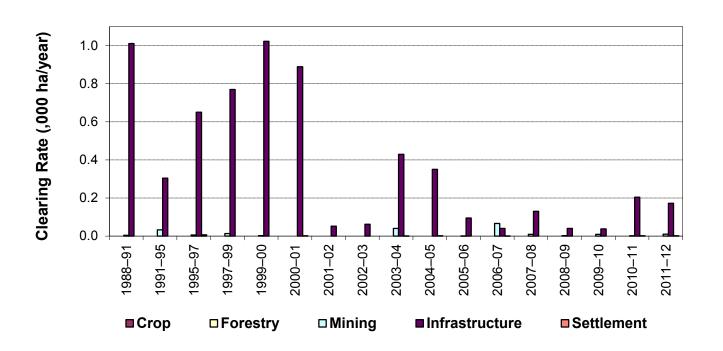


Figure 4. Woody vegetation clearing rates in the Desert Channels region by replacement land cover.

This fact sheet is 4 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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