Assessment of changes to forest ecosystem and old growth reservation of scenarios for outcomes of the Tasmanian Forests Intergovernmental Agreement

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Errata:

1. *The analysis of Pencil Pine forest (RPP) reservation presented in Attachment 1 has been identified as containing a significant error. These data have been excluded from analysis and have a very limited effect due to the forest ecosystem occurring overwhemingly on land already in conservation reserves.*

2. *The areas of Other vegetation (rocks, sand, mud), Water, Cleared land types (Tasveg F codes and SQR) and unresolved vegetation mapping is not currently available by breakdown into IGA areas that are currently unreserved (Tables 2 and 5) and existing informal reserves (Tables 3 and 6).*

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1. Introduction

Under the Tasmanian Forest Intergovernmental Agreement (IGA), an area of about 560,000ha is being assessed for conservation values and consideration for dedication as formal conservation reserves. The area is comprised of 376,000ha of currently unreserved public land and 188,000ha of existing informal reserves.

This report assesses changes to the reservation levels of forest ecosystems and old growth forest of a progressive scenario of five additional increments to the reserved area using the following terms of reference:

> "Consistent with IVG "Report 1A : Comprehensiveness", conduct an analysis of Tasmanian forest ecosystems and oldgrowth within the ENGO-proposed area on a progressive, incremental basis in the following sequence:
>
> (a) Enhanced Industry area (264,000 ha);
> (b) Special Timbers area (+ 57,000 ha);
> (c) WHA 2011 area [G Law via Envt. Tas. May 2011] (+ 61,000 ha);
> (d) WHA 2012 area [IVG via P Matthews] (+ 45,000 ha); and
> (e) Balance of ENGO-proposed area (+ 135,000 ha).
>
> Provide a summary of any significant potential enhancement to meeting JANIS criteria as a consequence of each incremental step."

The reporting methods and structure follows that of the report of Knight (2012)[1] ("Report 1A") to the Independent Verification Group on changes in reservation that would arise from implementation of the proposed additional reserves in total, through application of the three (of eleven) JANIS criteria that set reservation targets for forest ecosystems and old growth.

Section 2 summarises the methods that were used to undertake the analysis, with emphasis on the changes to the original methodology to assess the increment in reserved area.

Section 3 presents the results of the assessment as a set of summary, using the template from the previous analysis modified to illustrate incremental changes in the composition of broad forest types in the reserve system. Attachment 1 provides a full breakdown of the assessment for each forest ecosystem and old growth type both on a Statewide basis and in each of the nine Tasmanian bioregion.

Section 4 provides a brief discussion of the changes in reservation arising through each increment in the reserved area. The relationship of the assessed JANIS criteria to the full set of criteria is also discussed.

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[1] Knight, R.I. (2012). Analysis of comprehensiveness of existing conservation reserves and proposed additions to the Tasmanian forest reserves system. Report to the Independent Verification Group for the Tasmanian Forests Intergovernmental Agreement, February 2012. Natural Resource Planning, Hobart.

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2. Methods

The methods used to undertake the analysis match those outlined in detail in Report 1A, except where modifications were needed to address the incremental addition to the reserve system. The methods can be divided into two parts:

1. Preparation of an integrated GIS layer containing data necessary for the analysis; and
2. Analysis of the incremental scenarios using the spreadsheet developed for Report 1A.

The GIS data for the analysis was produced as a single integrated layer containing the following:

- Tasveg vegetation community mapping, resolved for logical consistency and allocation to bioregions;
- Old growth forest derived through logical consistency rules to ensure consistency with forest vegetation mapping in Tasveg and allocation of old growth only in the elements of the Tasveg classification which match RFA forest ecosystems identified as having an old growth form;
- Integrated land tenure data developed for the IVG process, comprising 270 forest polygons of the proposed area and a broad classification of underlying land tenure into eleven classes (six reserve classes, five unreserved classes); and
- Spatial data on the scenarios provided for the assessment.

The integrated GIS layer was then analysed to extract data summaries needed for the analysis.

For the summary tables in Section 3, the area of each broad vegetation category in the table was summarised separately from the GIS, with cumulative areas and percentages calculated in a spreadsheet. As the area proposed for formal reservation includes extensive areas of existing informal reserves, a separate breakdown between informal reserves (proposed for change to formal reserves) and unreserved land is presented.

The following steps were undertaken for the detailed breakdown of increments to forest ecosystem and old growth reservation in Attachment 1:

- Five copies were made of the reservation analysis worksheet in Excel, each identified as belonging to an incremental stage in the scenario;
- The total area of existing reserves and areas in Scenario A (EIA) were summarised by forest ecosystem and old growth;
- These data were inserted into the analysis spreadsheet to generate new totals for reserved area under the scenario;
- The second stage in the Scenario (B – STZ) was added to the areas already selected as existing reserves or Scenario A, and the process repeated to derive reservation status for existing reserves plus Scenario A plus Scenario B; and

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- The sequence was continued until all five scenarios had been selected and analysed against the JANIS reservation target.

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3. Results

The results of the analysis are summarised in the tables on the following pages, using Table 3 from Report 1A as a template. The assessment has been further broken down to reflect the two actions that would be needed to implement each of the scenarios:

- Gazettal of existing informal reserves as formal reserves; and
- Gazetted of unreserved areas as new conservation reserves.

The distinction is considered important, as the detailed assessment of changes to forest ecosystem and old growth reservation (Attachment 1) treats the areas of existing informal reserves as existing reserved areas, in accordance with Section 4 of the JANIS criteria and previous practice in assessing Tasmanian reservation levels.

The results are presented in the following tables:

- Table 1. Summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA reservation scenarios (informal reserves and unreserved area);
- Table 2. Summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA reservation scenarios (unreserved areas);
- Table 3. Summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA reservation scenarios (existing informal reserves);
- Table 4. Cumulative summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA forest reservation scenarios (informal reserves and unreserved area);
- Table 5. Cumulative summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA forest reservation scenarios (unreserved areas); and
- Table 6. Cumulative summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA forest reservation scenarios (existing informal reserves).

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Table 1. Summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA reservation scenarios (informal reserves and unreserved area)

Descriptor	EIA ha	STZ ha	WHA 2011 ha	WHA 2012 ha	ENGO (balance) ha
Total scenario area	**264,747**	**58,255**	**60,926**	**44,845**	**134,840**
Area in existing informal reserves	130,722	15	20,693	15,534	20,697
Unreserved areas	134,025	58,240	40,233	29,311	114,143
Vegetation summary					
Forest	217,368	52,513	54,842	38,857	125,249
Native nonforest	42,891	5,315	5,136	5,045	6,095
Threatened nonforest	1,530	66	67	853	923
Other vegetation	1,363	16	41	69	278
Water	775	21	373	179	226
Cleared land types	2,346	390	536	692	2,948
Unresolved vegetation mapping	12	0	2	5	47
Forest community summary					
Threatened forest	2,524	1,022	43	116	1,348
Area with 15% 1750 met	203,167	50,841	52,408	34,278	111,556
Area with 17% extant met	210,816	51,702	53,651	35,595	117,659
Area with 15% 1750 target	211,402	51,288	54,416	38,311	122,714
Area with 60% extant target	2,161	988	42	137	940
Area with 100% target	2,068	113	245	129	1,282
Area with <80% target met	4,528	219	421	1,384	4,201
Area with 80-100% target met	11,192	1,727	2,518	3,703	11,669
Area with 100-150% target met	31,598	2,729	1,633	2,204	33,785
Area with >150% target met	168,312	47,714	50,129	31,460	75,275
Old growth forest summary					
Area of old growth in proposals	89,277	31,417	21,401	12,591	17,663
Area with 60% old growth met	71,135	30,840	19,950	10,265	11,257
Area with 60% old growth target	82,699	30,427	21,097	12,007	13,206
Area with 100% old growth target	5,714	927	304	580	2,532
Area old growth with <80% target met	8,285	900	555	1,070	3,849
Area old growth with 80-100% target met	13,661	195	1,127	1,460	1,904
Area old growth with 100-150% target met	39,104	13,559	13,134	6,721	9,891
Area old growth with >150% target met	28,208	16,760	6,586	3,336	2,019

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Table 2. Summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA reservation scenarios (unreserved areas)

Descriptor	EIA ha	STZ ha	WHA 2011 ha	WHA 2012 ha	ENGO (balance) ha
Total scenario area	264,747	58,255	60,926	44,845	134,840
Area in existing informal reserves	130,722	15	20,693	15,534	20,697
Unreserved areas	**134,025**	**58,240**	**40,233**	**29,311**	**114,143**
Vegetation summary					
Forest	103,772	52,500	36,228	26,780	106,525
Native nonforest	27,354	5,314	3,516	1,873	4,711
Threatened nonforest	1,030	66	40	204	659
Other vegetation*					
Water*					
Cleared land types*					
Unresolved vegetation mapping*					
Forest community summary					
Threatened forest	854	1,022	1	59	1,091
Area with 15% 1750 met	95,614	50,828	34,333	23,250	94,567
Area with 17% extant met	99,795	51,688	35,292	24,107	99,745
Area with 15% 1750 target	101,730	51,274	36,133	26,343	104,442
Area with 60% extant target	712	988	1	98	801
Area with 100% target	791	113	88	69	1,019
Area with <80% target met	2,517	215	228	779	3,477
Area with 80-100% target met	6,570	1,726	2,044	2,814	10,302
Area with 100-150% target met	15,481	2,729	1,126	1,559	28,679
Area with >150% target met	78,704	47,705	32,824	21,531	63,803
Old growth forest summary					
Area of old growth in proposals	22,850	31,412	9,475	6,478	10,247
Area with 60% old growth met	18,447	30,835	8,245	4,793	6,295
Area with 60% old growth target	20,855	30,422	9,376	6,246	7,264
Area with 100% old growth target	1,733	927	100	232	1,580
Area old growth with <80% target met	2,819	900	317	467	2,461
Area old growth with 80-100% target met	2,645	195	949	1,260	859
Area old growth with 100-150% target met	13,250	13,555	6,565	3,768	5,476
Area old growth with >150% target met	4,135	16,759	1,645	983	1,451

* Data being corrected due to processing error.

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Table 3. Summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA reservation scenarios (existing informal reserves)

Descriptor	EIA	STZ	WHA 2011	WHA 2012	ENGO (balance)
	ha	ha	ha	ha	ha
Total scenario area	264,747	58,255	60,926	44,845	134,840
Area in existing informal reserves	**130,722**	**15**	**20,693**	**15,534**	**20,697**
Unreserved areas	134,025	58,240	40,233	29,311	114,143
Vegetation summary					
Forest	113,596	14	18,613	12,076	18,725
Native nonforest	15,537	1	1,620	3,172	1,384
Threatened nonforest	501	0	27	649	265
Other vegetation					
Water					
Cleared land types					
Unresolved vegetation mapping					
Forest community summary					
Threatened forest	1,670	0	41	57	256
Area with 15% 1750 met	107,553	14	18,075	11,028	16,989
Area with 17% extant met	111,021	14	18,360	11,487	17,913
Area with 15% 1750 target	109,671	14	18,283	11,968	18,272
Area with 60% extant target	1,448	0	41	38	139
Area with 100% target	1,278	0	158	60	263
Area with <80% target met	2,011	4	194	605	724
Area with 80-100% target met	4,622	0	474	890	1,368
Area with 100-150% target met	16,117	0	507	644	5,107
Area with >150% target met	89,609	9	17,305	9,929	11,472
Old growth forest summary					
Area of old growth in proposals	66,427	5	11,926	6,113	7,416
Area with 60% old growth met	52,688	5	11,705	5,472	4,962
Area with 60% old growth target	61,843	5	11,721	5,761	5,942
Area with 100% old growth target	3,980	0	205	348	952
Area old growth with <80% target met	5,466	0	238	603	1,388
Area old growth with 80-100% target met	11,015	0	178	201	1,045
Area old growth with 100-150% target met	25,853	4	6,569	2,952	4,415
Area old growth with >150% target met	24,073	1	4,941	2,353	568

* Data being corrected due to processing error.

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Table 4. Cumulative summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA forest reservation scenarios (informal reserves and unreserved area)

Descriptor	Cumulative scenario area (ha)					Cumulative scenario area (% IGA total)				
	EIA	STZ	WHA 2011	WHA 2012	ENGO	EAI	STZ	WHA 2011	WHA 2012	ENGO
Cucmulative scenario area	**264,747**	**323,002**	**383,928**	**428,773**	**563,613**	**47.0**	**57.3**	**68.1**	**76.1**	**100.0**
Area in existing informal reserves	130,722	130,738	151,431	166,965	187,662	23.2	23.2	26.9	29.6	33.3
Unreserved areas	134,025	192,264	232,497	261,808	375,951	23.8	34.1	41.3	46.5	66.7
Vegetation summary										
Forest	217,368	269,881	324,723	363,579	488,829	38.6	47.9	57.6	64.5	86.7
Native nonforest	42,891	48,206	53,342	58,387	64,482	7.6	8.6	9.5	10.4	11.4
Threatened nonforest	1,530	1,597	1,664	2,517	3,440	0.3	0.3	0.3	0.4	0.6
Other vegetation	1,363	1,378	1,419	1,488	1,766	0.2	0.2	0.3	0.3	0.3
Water	775	796	1,169	1,348	1,573	0.1	0.1	0.2	0.2	0.3
Cleared land types	2,346	2,736	3,272	3,964	6,912	0.4	0.5	0.6	0.7	1.2
Unresolved vegetation mapping	12	12	14	19	66	0.0	0.0	0.0	0.0	0.0
Forest community summary										
Threatened forest	2,524	3,547	3,589	3,705	5,053	0.4	0.6	0.6	0.7	0.9
Area with 15% 1750 met	203,167	254,008	306,416	340,694	452,251	36.0	45.1	54.4	60.4	80.2
Area with 17% extant met	210,816	262,518	316,169	351,764	469,423	37.4	46.6	56.1	62.4	83.3
Area with 15% 1750 target	211,402	262,690	317,105	355,417	478,131	37.5	46.6	56.3	63.1	84.8
Area with 60% extant target	2,161	3,149	3,191	3,328	4,268	0.4	0.6	0.6	0.6	0.8
Area with 100% target	2,068	2,182	2,427	2,555	3,837	0.4	0.4	0.4	0.5	0.7
Area with <80% target met	4,528	4,747	5,169	6,553	10,754	0.8	0.8	0.9	1.2	1.9
Area with 80-100% target met	11,192	12,918	15,436	19,140	30,809	2.0	2.3	2.7	3.4	5.5
Area with 100-150% target met	31,598	34,327	35,960	38,164	71,949	5.6	6.1	6.4	6.8	12.8
Area with >150% target met	168,312	216,026	266,155	297,616	372,890	29.9	38.3	47.2	52.8	66.2
Old growth forest summary										
Area of old growth in proposals	89,277	120,694	142,095	154,685	172,348	15.8	21.4	25.2	27.4	30.6
Area with 60% old growth met	71,135	101,974	121,924	132,188	143,446	12.6	18.1	21.6	23.5	25.5

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Area with 60% old growth target	82,699	113,126	134,222	146,230	159,435	14.7	20.1	23.8	25.9	28.3
Area with 100% old growth target	5,714	6,640	6,944	7,524	10,056	1.0	1.2	1.2	1.3	1.8
Area old growth with <80% target met	8,285	9,185	9,740	10,810	14,659	1.5	1.6	1.7	1.9	2.6
Area old growth with 80-100% target met	13,661	13,856	14,983	16,443	18,347	2.4	2.5	2.7	2.9	3.3
Area old growth with 100-150% target met	39,104	52,662	65,796	72,517	82,408	6.9	9.3	11.7	12.9	14.6
Area old growth with >150% target met	28,208	44,968	51,554	54,890	56,909	5.0	8.0	9.1	9.7	10.1

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Table 5. Cumulative summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA forest reservation scenarios (unreserved areas)

Descriptor	Cumulative scenario area (ha)					Cumulative scenario area (% IGA total)				
	EIA	STZ	WHA 2011	WHA 2012	ENGO	EAI	STZ	WHA 2011	WHA 2012	ENGO
Cucmulative scenario area	264,747	323,002	383,928	428,773	563,613	47.0	57.3	68.1	76.1	100.0
Area in existing informal reserves	130,722	130,738	151,431	166,965	187,662	23.2	23.2	26.9	29.6	33.3
Unreserved areas	**134,025**	**192,264**	**232,497**	**261,808**	**375,951**	**23.8**	**34.1**	**41.3**	**46.5**	**66.7**
Vegetation summary										
Forest	103,772	156,272	192,500	219,280	325,805	18.4	27.7	34.2	38.9	57.8
Native nonforest	27,354	32,668	36,184	38,057	42,769	4.9	5.8	6.4	6.8	7.6
Threatened nonforest	1,030	1,096	1,136	1,340	1,998	0.2	0.2	0.2	0.2	0.4
Other vegetation*										
Water*										
Cleared land types*										
Unresolved vegetation mapping*										
Forest community summary										
Threatened forest	854	1,877	1,878	1,937	3,028	0.2	0.3	0.3	0.3	0.5
Area with 15% 1750 met	95,614	146,441	180,775	204,024	298,591	17.0	26.0	32.1	36.2	53.0
Area with 17% extant met	99,795	151,483	186,774	210,882	310,627	17.7	26.9	33.1	37.4	55.1
Area with 15% 1750 target	101,730	153,004	189,137	215,481	319,922	18.0	27.1	33.6	38.2	56.8
Area with 60% extant target	712	1,700	1,702	1,800	2,601	0.1	0.3	0.3	0.3	0.5
Area with 100% target	791	904	992	1,060	2,079	0.1	0.2	0.2	0.2	0.4
Area with <80% target met	2,517	2,732	2,960	3,738	7,216	0.4	0.5	0.5	0.7	1.3
Area with 80-100% target met	6,570	8,296	10,340	13,154	23,455	1.2	1.5	1.8	2.3	4.2
Area with 100-150% target met	15,481	18,209	19,336	20,895	49,574	2.7	3.2	3.4	3.7	8.8
Area with >150% target met	78,704	126,409	159,233	180,764	244,567	14.0	22.4	28.3	32.1	43.4
Old growth forest summary										
Area of old growth in proposals	22,850	54,262	63,737	70,215	80,462	4.1	9.6	11.3	12.5	14.3

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Area with 60% old growth met	18,447	49,282	57,527	62,320	68,614	3.3	8.7	10.2	11.1	12.2
Area with 60% old growth target	20,855	51,277	60,653	66,899	74,163	3.7	9.1	10.8	11.9	13.2
Area with 100% old growth target	1,733	2,660	2,760	2,991	4,571	0.3	0.5	0.5	0.5	0.8
Area old growth with <80% target met	2,819	3,719	4,036	4,503	6,964	0.5	0.7	0.7	0.8	1.2
Area old growth with 80-100% target met	2,645	2,841	3,789	5,049	5,908	0.5	0.5	0.7	0.9	1.0
Area old growth with 100-150% target met	13,250	26,805	33,370	37,138	42,614	2.4	4.8	5.9	6.6	7.6
Area old growth with >150% target met	4,135	20,893	22,538	23,521	24,973	0.7	3.7	4.0	4.2	4.4

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Table 6. Cumulative summary of broad vegetation types, JANIS reservation targets and CAR reserve status by IGA forest reservation scenarios (existing informal reserves)

Descriptor	Cumulative scenario area (ha)					Cumulative scenario area (% IGA total)				
	EIA	STZ	WHA 2011	WHA 2012	ENGO	EAI	STZ	WHA 2011	WHA 2012	ENGO
Cucmulative scenario area	264,747	323,002	383,928	428,773	563,613	47.0	57.3	68.1	76.1	100.0
Area in existing informal reserves	**130,722**	**130,738**	**151,431**	**166,965**	**187,662**	**23.2**	**23.2**	**26.9**	**29.6**	**33.3**
Unreserved areas	134,025	192,264	232,497	261,808	375,951	23.8	34.1	41.3	46.5	66.7
Vegetation summary										
Forest	113,596	113,609	132,223	144,299	163,024	20.2	20.2	23.5	25.6	28.9
Native nonforest	15,537	15,538	17,158	20,330	21,714	2.8	2.8	3.0	3.6	3.9
Threatened nonforest	501	501	528	1,177	1,442	0.1	0.1	0.1	0.2	0.3
Other vegetation*	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Water*	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Cleared land types*	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Unresolved vegetation mapping*	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Forest community summary										
Threatened forest	1,670	1,670	1,711	1,768	2,025	0.3	0.3	0.3	0.3	0.4
Area with 15% 1750 met	107,553	107,567	125,642	136,670	153,659	19.1	19.1	22.3	24.2	27.3
Area with 17% extant met	111,021	111,035	129,395	140,882	158,795	19.7	19.7	23.0	25.0	28.2
Area with 15% 1750 target	109,671	109,685	127,968	139,936	158,208	19.5	19.5	22.7	24.8	28.1
Area with 60% extant target	1,448	1,448	1,489	1,528	1,667	0.3	0.3	0.3	0.3	0.3
Area with 100% target	1,278	1,278	1,435	1,495	1,758	0.2	0.2	0.3	0.3	0.3
Area with <80% target met	2,011	2,015	2,209	2,814	3,539	0.4	0.4	0.4	0.5	0.6
Area with 80-100% target met	4,622	4,622	5,096	5,986	7,354	0.8	0.8	0.9	1.1	1.3
Area with 100-150% target met	16,117	16,118	16,624	17,269	22,375	2.9	2.9	2.9	3.1	4.0
Area with >150% target met	89,609	89,618	106,922	116,851	128,323	15.9	15.9	19.0	20.7	22.8
Old growth forest summary										
Area of old growth in proposals	66,427	66,432	78,358	84,470	91,886	11.8	11.8	13.9	15.0	16.3

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Area with 60% old growth met	52,688	52,693	64,397	69,869	74,831	9.3	9.3	11.4	12.4	13.3
Area with 60% old growth target	61,843	61,848	73,569	79,331	85,272	11.0	11.0	13.1	14.1	15.1
Area with 100% old growth target	3,980	3,980	4,185	4,533	5,485	0.7	0.7	0.7	0.8	1.0
Area old growth with <80% target met	5,466	5,466	5,704	6,307	7,695	1.0	1.0	1.0	1.1	1.4
Area old growth with 80-100% target met	11,015	11,015	11,193	11,394	12,439	2.0	2.0	2.0	2.0	2.2
Area old growth with 100-150% target met	25,853	25,857	32,426	35,378	39,794	4.6	4.6	5.8	6.3	7.1
Area old growth with >150% target met	24,073	24,074	29,015	31,368	31,936	4.3	4.3	5.1	5.6	5.7

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4.   Discussion

4.1   Interpretation of JANIS criteria

The JANIS criteria specify eleven criteria for the development of the forest reserve system – eight for biodiversity, two for old growth forests and one for identified wilderness areas. These are listed in Box 1. Meeting the criteria as an integrated set would be required to fully assess whether a Comprehensive, Adequate and Representative reserve system has been established.

The assessment above addresses only biodiversity criteria 1, 2 and 3, old growth criteria 1 and part of criteria 2. Meeting the requirements of the remaining criteria are largely qualitative and require a different suite of assessment methods. The exception to this is the wilderness criteria, which has a quantative target.

The implications of the additional criteria include the likelihood that to fully define a CAR reserve system would involve at least meeting the quantitative criteria assessed in this report, It is also likely in many cases to involve areas being reserved in excess of the minimum targets for forest ecosystems and old growth assessed here.

The criteria for wilderness (90% of identified wilderness areas), in particular, distorts reservation levels in bioregions where wilderness values occur extensively, and is evident particularly in Tasmania. Consequently existing levels of reservation against the criteria assessed here may be well above target levels; however this does not establish on its own that reservation levels are adequate and representative.

Further inflation of reserved areas above targets also arises from the practical necessity of gazetting reserves over manageable areas. This may involve reserves established for particular forest communities or old growth types including a matrix of additional areas whose reservation levels may already satisfy the JANIS criteria assessed here.

Reserving matrices of vegetation to achieve manageable reserves is particularly prevalent in the parts of Tasmania where topographic relief results in considerable turnover in vegetation composition over relatively small areas. This issue was assessed as part of development of methods for the Forest Conservation Fund. Randomised selection of private land parcels containing forests targetted for the program identified multipliers required to meet the 25,000ha target for old growth and 45,000ha target for under-reserved communities of at least four times the target area, due to matrix effects[2]. Minimising the impact of the matrix effect on reservation levels, through careful selection of additional reserves, may reduce the impact of new reserves on the availability of commercial forest resources.

The overall effect of matrix effects and the need to satisfy the additional JANIS criteria mean that the reservation levels reported here do not establish, on their own, that requirements for the CAR reserve system has been met. Additional cross-referencing of values in proposed reserves (e.g. threatened species habitat, replication of values reserved, etc) may be needed.

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[2] Knight, R.I. & Brown, M.J. (2006). Testing of bid scenarios for the Forest Conservation Fund: preliminary report. Unpublished report to the Assessment Method Advisory Panel for the Forest Conservation Fund.

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Biodiversity criteria

(1)   As a general criterion, 15% of the pre-1750 distribution of each forest ecosystem should be protected in the CAR reserve system with flexibility considerations applied according to regional circumstances, and recognising that as far as possible and practicable, the proportion of Dedicated Reserves should be maximised (see Section 4).

(2)   Where forest ecosystems are recognised as vulnerable, then at least 60% of their remaining extent should be reserved. A vulnerable forest ecosystem is one which is:

   i)   approaching a reduction in areal extent of 70% within a bioregional context and which remains subject to threatening processes; or

   ii)   not depleted but subject to continuing and significant threatening processes which may reduce its extent.

(3)   All remaining occurrences of rare and endangered forest ecosystems should be reserved or protected by other means as far as is practicable.

(4)   Reserved areas should be replicated across the geographic range of the forest ecosystem to decrease the likelihood that chance events such as wildfire or disease will cause the forest ecosystem to decline.

(5)   The reserve system should seek to maximise the area of high quality habitat for all known elements of biodiversity wherever practicable, but with particular reference to:

   –   the special needs of rare, vulnerable or endangered species;

   –   special groups of organisms, for example species with complex habitat requirements, or migratory or mobile species;

   –   areas of high species diversity, natural refugia for flora and fauna, and centres of endemism; and

   –   those species whose distributions and habitat requirements are not well correlated with any particular forest ecosystem.

(6)   Reserves should be large enough to sustain the viability, quality and integrity of populations.

(7)   To ensure representativeness, the reserve system should, as far as possible, sample the full range of biological variation within each forest ecosystem, by sampling the range of environmental variation typical of its geographic range and sampling its range of successional stages.

   Forest ecosystems are often distributed across a variety of physical environments, and their species composition can vary along environmental gradients and between the micro-environments within the ecosystem.

   This approach will maximise the likelihood that the samples included in the reserve system will protect the full range of genetic variability and successional stages associated with each species, and particularly those species with restricted or disjunct distributions.

(8)   In fragmented landscapes, remnants that contribute to sampling the full range of biodiversity are vital parts of a forest reserve system. The areas should be identified and protected as part of the development of integrated regional conservation strategies.

Old growth criteria

(1)   Where old-growth forest is rare or depleted (generally less than 10% of the extant distribution) within a forest ecosystem, all viable examples should be protected, wherever

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possible. In practice, this would mean that most of the rare or depleted old-growth forest would be protected. Protection should be afforded through the range of mechanisms described in section 4.

(2) For other forest ecosystems, 60% of the old-growth forest identified at the time of assessment would be protected, consistent with a flexible approach where appropriate, increasing to the levels of protection necessary to achieve the following objectives:

- the representation of old-growth forest across the geographic range of the forest ecosystem;
- the protection of high quality habitat for species identified under the biodiversity criterion;
- appropriate reserve design;
- protection of the largest and least fragmented areas of old-growth;
- specific community needs for recreation and tourism.

Wilderness criteria

Ninety percent, or more if practicable, of the area of high quality wilderness that meet minimum area requirements should be protected in reserves.

4.2   Scenario assessment

The IGA area contains about 42,000ha of forest communities whose reservation is below the targets identified in Report 1A. Around 11,000ha of this area is contained within existing informal reserves.

The largest increase in inclusion of under-reserved forest ecosystems occurs with the initial Scenario EIA, with around 6,600ha of unreserved forest in this category added to the reserve system. The scenarios STZ and WHA2011 increase this area to around 7,200ha. Scenarios WHA 2011 and the ENGO balance increase reservation of these communities to 8,800ha and 11,400ha respectively.

The IGA area contains about 33,000ha of old growth forest which is not currently reserved to JANIS target levels. Around 20,000ha of this area is in existing informal reserves and 13,000 is unreserved. The latter figure represents a moderate proportion of the 28,000ha of under-reserved old growth on unreserved public land.

The largest increase in inclusion of under-reserved old growth forests occurs with the initial Scenario EAI, with 5,400ha of unreserved and under-reserved old growth added to the reserve system. The Scenarios STZ, WHA2011 and WHA2012 make progressive incremental additions of under-reserved old growth. As with forest communities, there is a second major addition of area in the category in moving from Scenario WHA2012 to the final Scenario ENGO, which adds an additional 3,500 ha of under-reserved old growth.

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The capacity of any or all of the scenarios to significantly enhance overall the protection of under-reserved forest communities is limited by a number of factors. The largest areas of under-reserved forest communities occur on private land and are only likely to achieve significant progress towards targets through the continuation of voluntary conservation schemes for private landowners.

The lack of a systematic process for selection of the ENGO-proposed areas is also likely to have led to limitations on ability to make significant progress towards reservation targets. Some 131,000ha of under-reserved forest communities occur on unreserved public land (though not all is necessarily needed to meet the JANIS reservation targets). These forests are likely to be distibuted more in the areas of higher intensity management closer to settlement and access, which are largely outside the ENGO-proposed areas due to an apparent focus on "what's left".

Although the areal improvements for under-reserved communities are small, there are some 23 forest ecosystems or old growth types which move from being under-reserved to adequately reserved under the scenarios. There are also 81 under-reserved forest ecosystems or old growth type which achieve a greater than 10% improvement in reservation levels under the scenarios[3]. These are indicated in Table 7.

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[3] An error has been identified in the reservation analysis of Pencil Pine forests (RPP) and have been excluded from analysis.

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Table 7. Under-reserved forest ecosystems and old growth types reaching JANIS reservation targets or increasing in reservation by more than 10% under IGA scenarios[4]
(key to columns in Attachment 1, p20)

Veg. code	Extent (ha)	Target (ha)	Current reserves (ha)	EIA (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current reserves (%)	EIA (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAD OG BL	1,956	1,956	875	1,067	1,067	1,067	1,067	1,186	44.7	54.6	54.6	54.6	54.6	60.6
DAM OG BL	1,222	1,222	767	843	843	843	843	960	62.7	69.0	69.0	69.0	69.0	78.6
DAM FL	2,124	1,000	925	1,196	1,196	1,196	1,196	1,238	92.5	119.6	119.6	119.6	119.6	123.8
DAM OG FL	56	56	18	39	39	39	39	39	32.0	70.2	70.2	70.2	70.2	70.2
DAM NS	3,812	1,000	446	566	566	566	566	665	44.6	56.6	56.6	56.6	56.6	66.5
DAM OG NS	119	119	60	84	84	84	84	84	50.9	70.8	70.8	70.8	70.9	70.9
DAM OG SR	72	72	47	55	55	55	55	55	65.1	76.1	76.1	76.1	76.1	76.1
DAS FL	80	80	5	61	61	61	61	61	6.2	76.3	76.3	76.3	76.3	76.3
DAZ BL	817	817	115	115	115	115	115	336	14.1	14.1	14.1	14.1	14.1	41.1
DAZ OG BL	39	39	20	20	20	20	20	28	53.0	53.0	53.0	53.0	53.0	73.1
DCO SE	384	384	270	281	281	281	281	336	70.4	73.1	73.1	73.1	73.1	87.6
DCO OG SE	73	73	22	22	22	22	22	64	29.5	29.5	29.5	29.5	29.5	87.2
DDE OG All Tas	59,632	35,779	35,146	38,542	38,589	39,769	41,512	44,107	98.2	107.7	107.9	111.2	116.0	123.3
DDE OG SE	17,970	10,782	8,174	9,238	9,238	9,238	9,238	10,132	75.8	85.7	85.7	85.7	85.7	94.0
DDE OG SR	10,448	6,269	5,695	6,254	6,271	7,214	8,450	8,480	90.8	99.8	100.0	115.1	134.8	135.3
DNI OG NS	934	934	779	856	882	884	884	898	83.4	91.6	94.5	94.6	94.6	96.1
DOB OG BL	1,849	1,849	1,183	1,326	1,326	1,326	1,326	1,481	64.0	71.7	71.7	71.7	71.7	80.1
DOB OG FL	1,318	1,000	976	1,179	1,179	1,179	1,179	1,179	97.6	117.9	117.9	117.9	117.9	117.9
DOB KI	9,213	3,365	2,112	2,307	2,318	2,447	2,585	2,847	62.8	68.5	68.9	72.7	76.8	84.6
DOB OG KI	2,110	1,266	756	836	836	836	864	924	59.7	66.0	66.0	66.0	68.2	73.0
DOB OG SE	14,615	8,769	8,406	9,408	9,408	9,408	9,408	9,507	95.9	107.3	107.3	107.3	107.3	108.4
DOV OG NS	140	140	29	29	29	29	29	48	20.9	21.0	21.0	21.0	21.0	34.0
DPD BL	1,409	1,000	321	451	451	451	451	582	32.1	45.1	45.1	45.1	45.1	58.2

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[4] It is important that figures in this table not be summed, as the figures integrate increases in old growth reservation with that for the matching forest ecosystem, i.e. any increase in old growth reservation is also included in the increase for the matching forest ecosystem.

Veg. code	Extent (ha)	Target (ha)	Current reserves (ha)	EIA (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current reserves (%)	EIA (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DPD OG BL	28	28	14	26	26	26	26	28	49.9	91.8	91.8	91.8	91.8	98.1
DPO BL	1,036	1,000	134	184	184	184	184	237	13.4	18.4	18.4	18.4	18.4	23.7
DPO OG BL	3	3	1	3	3	3	3	3	50.3	100.0	100.0	100.0	100.0	100.0
DPU OG All Tas	53,039	31,823	31,299	31,722	31,722	31,722	31,722	31,938	98.4	99.7	99.7	99.7	99.7	100.4
DPU OG SE	52,749	31,650	31,196	31,619	31,619	31,619	31,619	31,835	98.6	99.9	99.9	99.9	99.9	100.6
DRO BL	1,714	1,000	387	445	445	445	445	929	38.7	44.5	44.5	44.5	44.5	92.9
DRO OG BL	47	47	17	18	18	18	18	40	37.1	39.1	39.1	39.1	39.1	84.7
DSC BL	11,507	1,840	1,733	1,944	1,948	1,948	1,948	3,362	94.2	105.7	105.8	105.8	105.8	182.7
DSC OG BL	420	420	249	258	258	258	258	302	59.3	61.5	61.6	61.6	61.6	72.1
DSC NM	523	523	339	339	339	339	368	421	64.9	64.9	64.9	64.9	70.3	80.5
DSG OG BL	1,075	1,075	876	939	939	939	939	985	81.5	87.3	87.3	87.3	87.3	91.7
DSO OG BL	1,040	1,040	699	722	722	722	722	806	67.2	69.4	69.4	69.4	69.4	77.6
DSO FL	10,724	1,887	1,518	3,623	3,623	3,623	3,623	4,209	80.5	192.0	192.0	192.0	192.0	223.0
DVG BL	12,242	2,505	1,407	1,779	1,779	1,779	1,779	1,885	56.1	71.0	71.0	71.0	71.0	75.3
NAD SE	1,923	1,000	649	692	692	692	692	759	64.9	69.2	69.2	69.2	69.2	75.9
NAD WSW	883	883	537	611	627	631	632	632	60.8	69.2	71.1	71.5	71.6	71.6
NAF BL	506	506	113	128	133	133	133	249	22.4	25.3	26.4	26.4	26.4	49.3
NAF FL	370	370	103	323	323	323	323	323	27.9	87.2	87.2	87.2	87.2	87.4
NAF SR	4	4	0	1	1	1	1	1	0.0	29.0	29.0	29.0	29.0	29.0
NAF WSW	1,058	1,000	541	558	660	660	660	660	54.1	55.8	66.0	66.0	66.0	66.0
NAR BL	332	332	108	135	137	137	137	216	32.4	40.8	41.4	41.4	41.4	65.1
NAR KI	4,741	1,044	753	753	768	768	768	1,073	72.1	72.2	73.5	73.5	73.6	102.8
NAV OG BL	17	17	1	3	3	3	3	3	3.4	20.2	20.2	20.2	20.2	20.2
NBS All Tas	168	168	96	138	138	138	138	138	57.2	82.1	82.1	82.1	82.1	82.1
NBS OG All Tas	85	85	26	67	67	67	67	67	30.7	78.8	78.8	78.8	78.8	78.8
NBS KI	158	158	86	128	128	128	128	128	54.3	80.9	80.9	80.9	80.9	80.9
NBS OG KI	85	85	26	67	67	67	67	67	30.7	78.8	78.8	78.8	78.8	78.8
NLM BL	64	64	28	32	32	32	32	38	44.3	50.6	50.6	50.6	50.6	59.5
NLM SE	88	88	43	43	43	43	43	56	49.0	49.0	49.0	49.0	49.0	63.6
NLM SR	766	766	442	443	500	572	599	647	57.7	57.9	65.3	74.7	78.2	84.4

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Veg. code	Extent (ha)	Target (ha)	Current reserves (ha)	EIA (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current reserves (%)	EIA (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
NLM OG SR	101	101	79	79	96	97	97	97	78.0	78.0	94.3	95.1	95.2	95.3
NNP All Tas	287	287	132	133	133	133	133	181	45.8	46.3	46.3	46.4	46.4	63.0
NNP BL	140	140	43	45	45	45	45	83	31.0	32.0	32.0	32.0	32.0	59.8
NNP OG BL	2	2	1	1	1	1	1	2	62.1	62.1	62.1	62.1	62.1	86.0
RMS KI	12,583	3,609	3,446	3,489	3,653	3,947	4,209	4,687	95.5	96.7	101.2	109.4	116.6	129.9
RMS OG KI	6,015	3,609	2,422	2,433	2,466	2,689	2,884	2,890	67.1	67.4	68.3	74.5	79.9	80.1
RPF BL	2	2	0	0	0	0	0	2	0.0	14.6	14.6	14.6	14.6	99.9
WBR BL	95	95	15	29	29	29	29	44	15.5	30.5	30.5	30.5	30.5	46.6
WBR OG BL	1	1	0	0	0	0	0	1	0.0	0.0	0.0	0.0	0.0	79.8
WBR NS	36	36	6	6	6	6	6	30	16.6	16.6	16.6	16.6	16.6	81.6
WBR OG NS	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	100.0
WGK All Tas	1,293	1,293	727	1,136	1,136	1,136	1,136	1,136	56.2	87.9	87.9	87.9	87.9	87.9
WGK KI	1,293	1,293	727	1,136	1,136	1,136	1,136	1,136	56.2	87.9	87.9	87.9	87.9	87.9
WNU OG NS	760	760	603	697	720	721	721	747	79.3	91.7	94.7	94.8	94.8	98.3
WOU OG BL	3,127	3,127	1,574	1,812	1,844	1,844	1,844	2,216	50.3	58.0	59.0	59.0	59.0	70.9
WOU FL	2,365	1,000	662	1,043	1,043	1,043	1,043	1,335	66.2	104.3	104.3	104.3	104.3	133.5
WOU OG FL	255	255	185	210	210	210	210	213	72.4	82.2	82.2	82.2	82.2	83.3
WOU KI	63,129	11,264	10,496	10,878	11,547	12,476	14,618	18,115	93.2	96.6	102.5	110.8	129.8	160.8
WOU OG KI	6,933	6,933	3,077	3,088	3,402	3,466	3,639	3,782	44.4	44.5	49.1	50.0	52.5	54.6
WOU NS	113,200	26,796	25,312	28,472	29,319	30,139	30,549	34,612	94.5	106.3	109.4	112.5	114.0	129.2
WOU OG NS	7,885	7,885	5,592	5,870	6,350	6,377	6,380	6,554	70.9	74.4	80.5	80.9	80.9	83.1
WRE OG BL	4,085	2,451	2,415	2,566	2,683	2,683	2,683	3,102	98.5	104.7	109.4	109.4	109.4	126.5
WRE NS	2,449	1,469	872	980	980	980	980	1,140	59.3	66.7	66.7	66.7	66.7	77.6
WRE OG NS	99	99	54	73	73	73	73	73	54.8	74.0	74.0	74.0	74.0	74.0
WRE OG SE	691	691	457	536	536	536	536	578	66.1	77.6	77.6	77.6	77.6	83.5
WRE WSW	782	782	688	750	766	766	766	766	88.0	95.9	98.0	98.0	98.0	98.0
WSU BL	4	4	1	1	1	1	1	1	16.1	28.0	28.0	28.0	28.0	28.0
WVI OG BL	53	53	33	34	34	34	34	45	62.2	63.8	63.8	63.8	63.8	83.6

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Attachment 1
Cumulative changes to forest ecosystem and old growth reservation by area and JANIS reservation targets of IGA scenarios

The tables on the following pages provide a summary of major aspects of forest ecosystems extent and reservation levels. The table combines assessment of forest ecosystems type and their old growth component. A Statewide table is presented, along with a table for each of the nine Tasmanian bioregions.

The headings for each column in the table are described below. The descriptions should be read in conjunction with the assessment process detailed in Section 2.

Key to column headings:

Veg. code - Concatenated code combining the forest ecosystem code (left 3 letters) and "OG" for the old growth component, where applicable. For the bioregional summaries each concatenated code is suffixed by the IBRA code for the bioregion.

Extant (ha) - Mapped extant area of the forest ecosystem or the old growth component.

Pre-1750 (ha) - Estimated pre-1750 extent of the forest ecosystem. Old growth forests are a null value for this figure and indicated by "na".

JANIS status - Conservation status codes for:
- Forest communities - p(C) not threatened, V Vulnerable, R Endangered, E Endangered;
- Old growth - p(OG) not Rare or Depleted, R/D Rare and/or Depleted.

Target (ha) - JANIS reservation target in hectares associated with the conservation status. Note that the targets are adjusted to reflect a range of criteria described in Section 2 of Report 1A.

Current reserves (ha) - Current area of the forest ecosystem or old growth form in CAR reserves in Tasmania.

EIA (ha) - The area of the forest ecosystem or old growth form that would be included in the CAR reserve system if the EIA scenario were implemented.

STZ (ha) - The area of the forest ecosystem or old growth form that would be included in the CAR reserve system if the combined EIAand STZ scenarios were implemented.

WHA1 (ha) - The area of the forest ecosystem or old growth form that would be included in the CAR reserve system if the combined EIA, STZ and WHA 2011 scenarios were implemented.

WHA2 (ha) - The area of the forest ecosystem or old growth form that would be included in the CAR reserve system if the combined EIA, STZ, WHA 2011 and WHA 2012 scenarios were implemented.

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ENGO (ha) - The area of the forest ecosystem or old growth form that would be included in the CAR reserve system if the combined EIA, STZ, WHA 2011, WHA 2012 and ENGO scenarios (i.e. all of IGA assessed area) were implemented.

EIA (%), STZ (%), WHA1 (%), WHA2 (%), ENGO (%) – Percentage of the total IGA assessed area represented by the corresponding column of hectares.

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...n reservation of forest ecosystems and old growth of IGA scenarios, Statewide assessment

cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
C)	38,736	62,951	70,976	70,976	70,976	70,976	75,530	162.5	183.2	183.2	183.2	183.2	195.0
G)	16,635	19,673	20,132	20,132	20,132	20,132	20,225	118.3	121.0	121.0	121.0	121.0	121.6
C)	34,566	47,522	50,621	50,621	50,629	51,063	53,241	137.5	146.4	146.4	146.5	147.7	154.0
G)	19,866	22,517	23,655	23,655	23,655	23,658	23,970	113.3	119.1	119.1	119.1	119.1	120.7
C)	10,371	11,510	13,062	13,062	13,062	13,235	16,157	111.0	125.9	125.9	125.9	127.6	155.8
D	3,463	1,701	1,830	1,830	1,830	1,836	1,952	49.1	52.8	52.8	52.8	53.0	56.4
	25,858	13,671	13,937	13,937	13,938	13,969	14,216	52.9	53.9	53.9	53.9	54.0	55.0
G)	5,281	5,474	5,493	5,493	5,493	5,495	5,520	103.7	104.0	104.0	104.0	104.0	104.5
	15,239	6,387	6,412	6,412	6,412	6,432	6,664	41.9	42.1	42.1	42.1	42.2	43.7
D	2,857	997	998	998	998	998	1,005	34.9	34.9	34.9	34.9	34.9	35.2
C)	18,877	107,756	109,156	109,195	109,388	109,431	109,752	570.8	578.2	578.4	579.5	579.7	581.4
G)	18,877	28,356	28,817	28,821	28,885	28,888	28,979	150.2	152.7	152.7	153.na	153.na	153.5
C)	46,485	80,804	93,627	93,689	97,144	103,382	121,672	173.8	201.4	201.5	209.na	222.4	261.7
G)	35,779	35,146	38,542	38,589	39,769	41,512	44,107	98.2	107.7	107.9	111.2	116.na	123.3
	15,931	6,560	6,703	6,703	6,703	6,703	6,778	41.2	42.1	42.1	42.1	42.1	42.5
G)	3,515	2,161	2,236	2,236	2,236	2,236	2,244	61.5	63.6	63.6	63.6	63.6	63.8
	6	4	4	4	4	4	4	75.8	75.8	75.8	75.8	75.8	75.8
na	na	na	na	na	na	na	na	na	na	na	na	na	na
	7,495	5,958	5,958	5,958	5,958	5,958	5,958	79.5	79.5	79.5	79.5	79.5	79.5
na	na	na	na	na	na	na	na	na	na	na	na	na	na
C)	12,256	37,132	39,816	41,149	41,899	42,117	42,212	303.	324.9	335.7	341.9	343.6	344.4

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DOB All Tas	178,444	262,331	p(C)	39,350	59,257	70,680	71,252	72,963	73,493	78,895	150.6	179.6	181.1	185.4	186.8	200.5
DOB OG All Tas	37,146	na	p(OG)	22,287	23,506	25,958	26,261	26,442	26,573	26,965	105.5	116.5	117.8	118.6	119.2	121.na
DOV All Tas	17,733	186,618	E	17,733	4,215	4,287	4,287	4,287	4,287	4,461	23.8	24.2	24.2	24.2	24.2	25.2
DOV OG All Tas	1,031	na	R/D	1,031	658	659	659	659	659	681	63.8	63.9	63.9	63.9	63.9	66.na
DPD All Tas	42,197	45,908	p(C)	6,886	13,824	14,738	14,738	14,890	15,761	15,961	200.7	214.na	214.na	216.2	228.9	231.8
DPD OG All Tas	7,168	na	p(OG)	4,301	5,764	6,066	6,066	6,136	6,419	6,438	134.na	141.na	141.na	142.7	149.2	149.7
DPO All Tas	8,932	25,475	V	5,359	799	872	872	872	872	941	14.9	16.3	16.3	16.3	16.3	17.5
DPO OG All Tas	552	na	R/D	552	64	69	69	69	69	73	11.5	12.5	12.5	12.5	12.5	13.3
DPU All Tas	139,587	186,000	p(C)	31,823	47,874	48,711	48,711	48,711	48,711	49,980	150.4	153.1	153.1	153.1	153.1	157.1
DPU OG All Tas	53,039	na	p(OG)	31,823	31,299	31,722	31,722	31,722	31,722	31,938	98.4	99.7	99.7	99.7	99.7	100.4
DRI All Tas	780	862	R	780	356	356	356	356	356	356	45.7	45.7	45.7	45.7	45.7	45.7
DRI OG All Tas	24	na	R/D	24	18	18	18	18	18	18	72.9	72.9	72.9	72.9	72.9	72.9
DRO All Tas	13,277	16,001	p(C)	2,400	2,659	2,745	2,745	2,752	2,796	3,314	110.8	114.4	114.4	114.7	116.5	138.1
DRO OG All Tas	1,268	na	R/D	1,268	471	472	472	473	483	507	37.1	37.2	37.2	37.3	38.1	40.na
DSC All Tas	50,303	87,576	p(C)	13,136	13,539	14,012	14,015	14,057	14,803	17,923	103.1	106.7	106.7	107.na	112.7	136.4
DSC OG All Tas	2,149	na	R/D	2,149	1,526	1,606	1,606	1,606	1,607	1,706	71.na	74.7	74.7	74.7	74.8	79.4
DSG All Tas	26,832	28,182	p(C)	4,227	8,327	13,242	13,242	13,242	13,242	16,353	197.na	313.3	313.3	313.3	313.3	386.8
DSG OG All Tas	1,595	na	R/D	1,595	1,347	1,412	1,412	1,412	1,412	1,463	84.4	88.5	88.5	88.5	88.5	91.7
DSO All Tas	35,447	40,479	p(C)	6,072	11,400	14,868	14,868	14,868	14,868	18,637	187.8	244.9	244.9	244.9	244.9	306.9
DSO OG All Tas	2,388	na	R/D	2,388	1,650	1,700	1,700	1,700	1,700	1,784	69.1	71.2	71.2	71.2	71.2	74.7
DTD All Tas	10,619	11,134	p(C)	3,022	6,029	6,115	6,115	6,115	6,115	6,587	199.5	202.3	202.3	202.3	202.3	217.9
DTD OG All Tas	5,037	na	p(OG)	3,022	4,154	4,178	4,178	4,178	4,178	4,305	137.4	138.2	138.2	138.2	138.2	142.4
DTG All Tas	3,572	3,698	p(C)	1,778	3,401	3,401	3,401	3,401	3,401	3,401	191.3	191.3	191.3	191.3	191.3	191.3
DTG OG All Tas	2,963	na	p(OG)	1,778	2,848	2,848	2,848	2,848	2,848	2,848	160.2	160.2	160.2	160.2	160.2	160.2
DTO All Tas	48,006	105,374	V	28,803	11,297	11,305	11,305	11,305	11,305	11,308	39.2	39.2	39.2	39.2	39.2	39.3

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DTO OG All Tas	7,650	na	p(OG)	4,590	3,441	3,447	3,447	3,447	3,447	3,447	75.na	75.1	75.1	75.1	75.1	75.1
DVC All Tas	2,937	8,192	R	2,937	1,626	1,625	1,625	1,625	1,625	1,625	55.4	55.3	55.3	55.3	55.3	55.3
DVC OG All Tas	393	na	R/D	393	237	237	237	237	237	237	60.1	60.1	60.1	60.1	60.1	60.1
DVF All Tas	1,052	13,285	E	1,052	412	412	412	412	412	412	39.1	39.1	39.1	39.1	39.1	39.1
DVF OG All Tas	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DVG All Tas	109,616	249,576	p	9,168	14,565	14,969	14,969	14,969	14,969	15,089	158.9	163.3	163.3	163.3	163.3	164.6
DVG OG All Tas	9,168	na	R/D	9,168	2,766	2,767	2,767	2,767	2,767	2,768	30.2	30.2	30.2	30.2	30.2	30.2
NAD All Tas	41,415	48,278	p(C)	7,242	12,945	14,343	14,529	14,790	14,902	16,759	178.8	198.1	200.6	204.2	205.8	231.4
NAD OG All Tas	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAF All Tas	10,723	19,200	p(C)	2,880	3,482	3,734	3,847	3,847	3,851	4,109	120.9	129.7	133.6	133.6	133.7	142.7
NAF OG All Tas	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAR All Tas	19,098	24,247	p(C)	3,637	8,507	8,650	9,238	9,238	9,263	9,812	233.9	237.8	254.na	254.na	254.7	269.8
NAR OG All Tas	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAV All Tas	17,131	20,356	p(C)	3,053	5,639	4,877	4,877	4,883	4,883	4,885	184.7	159.7	159.7	159.9	159.9	160.na
NAV OG All Tas	867	na	R/D	867	629	632	632	632	632	632	72.5	72.8	72.8	72.9	72.9	72.9
NBS All Tas	168	242	E	168	96	138	138	138	138	138	57.2	82.1	82.1	82.1	82.1	82.1
NBS OG All Tas	85	na	R/D	85	26	67	67	67	67	67	30.7	78.8	78.8	78.8	78.8	78.8
NCR All Tas	815	2,214	R	815	538	536	536	536	536	536	66.na	65.8	65.8	65.8	65.8	65.8
NCR OG All Tas	511	na	R/D	511	316	319	319	319	319	319	61.9	62.5	62.5	62.5	62.5	62.5
NLM All Tas	13,616	37,888	p(C)	5,683	8,189	8,197	8,810	8,892	9,128	9,255	144.1	144.2	155.na	156.5	160.6	162.9
NLM OG All Tas	2,523	na	p(OG)	1,514	2,252	2,252	2,338	2,339	2,359	2,362	148.8	148.8	154.5	154.5	155.8	156.1
NME All Tas	7,863	30,934	E	7,863	2,542	2,577	2,583	2,583	2,583	2,715	32.3	32.8	32.9	32.9	32.9	34.5
NME OG All Tas	290	na	R/D	290	160	160	160	160	160	161	55.3	55.3	55.3	55.3	55.3	55.4
NNP All Tas	287	1,055	E	287	132	133	133	133	133	181	45.8	46.3	46.3	46.4	46.4	63.na
NNP OG All Tas	46	na	R/D	46	27	27	27	27	27	28	59.na	59.na	59.na	59.na	59.na	60.3
RHP All Tas	13,741	13,741	p(C)	4,579	11,995	12,015	12,702	12,705	12,711	12,711	261.9	262.4	277.4	277.5	277.6	277.6
RHP OG All Tas	7,632	na	p(OG)	4,579	7,339	7,341	7,601	7,601	7,605	7,605	160.3	160.3	166.	166.	166.1	166.1

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
													na	na		
RKF All Tas	3,236	3,236	R	3,236	3,065	3,065	3,091	3,091	3,091	3,091	94.7	94.7	95.5	95.5	95.5	95.5
RKF OG All Tas	350	na	R/D	350	338	338	338	338	338	338	96.5	96.5	96.5	96.5	96.5	96.5
RKP All Tas	19,131	19,182	V	11,478	16,948	33,125	34,121	34,122	34,124	34,124	147.7	288.6	297.3	297.3	297.3	297.3
RKP OG All Tas	9,326	na	p(OG)	5,595	9,082	10,603	10,627	10,627	10,628	10,628	162.3	189.5	189.9	189.9	189.9	189.9
RMS All Tas	205,025	225,993	p(C)	81,644	156,734	162,091	174,625	177,162	178,396	179,624	192.na	198.5	213.9	217.na	218.5	220.na
RMS OG All Tas	136,073	na	p(OG)	81,644	115,861	117,925	124,573	126,012	126,877	127,053	141.9	144.4	152.6	154.3	155.4	155.6
RMT All Tas	436,367	464,633	p(C)	190,373	380,736	385,829	403,044	404,603	405,730	409,460	200.na	202.7	211.7	212.5	213.1	215.1
RMT OG All Tas	317,289	na	p(OG)	190,373	290,037	292,187	305,456	306,507	307,177	308,241	152.4	153.5	160.5	161.na	161.4	161.9
RPF All Tas	4,438	4,438	R	4,438	4,437	4,437	4,437	4,437	4,437	4,438	100.na	100.na	100.na	100.na	100.na	100.na
RPF OG All Tas	356	na	R/D	356	356	356	356	356	356	356	100.na	100.na	100.na	100.na	100.na	100.na
RPP All Tas	3,562	3,562	R	3,562	3,560	19,835	19,835	19,835	19,835	19,835	99.9	556.8	556.8	556.8	556.8	556.8
RPP OG All Tas	342	na	R/D	342	341	1,135	1,135	1,135	1,135	1,135	99.7	332.2	332.2	332.2	332.2	332.2
WBR All Tas	6,399	13,548	V	3,840	2,102	2,116	2,116	2,116	2,116	2,163	54.7	55.1	55.1	55.1	55.1	56.3
WBR OG All Tas	877	na	R/D	877	475	475	475	475	475	481	54.2	54.2	54.2	54.2	54.2	54.8
WDU All Tas	275,996	310,663	p(C)	60,495	134,121	145,312	148,578	155,587	161,890	182,396	221.7	240.2	245.6	257.2	267.6	301.5
WDU OG All Tas	100,825	na	p(OG)	60,495	77,166	80,922	83,282	86,418	88,405	91,413	127.6	133.8	137.7	142.9	146.1	151.1
WGK All Tas	1,293	32,110	E	1,293	727	1,136	1,136	1,136	1,136	1,136	56.2	87.9	87.9	87.9	87.9	87.9
WGK OG All Tas	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
WNU All Tas	240,745	250,658	p(C)	56,831	220,392	226,605	228,873	229,673	230,263	230,536	387.8	398.7	402.7	404.1	405.2	405.6
WNU OG All Tas	94,719	na	p(OG)	56,831	92,424	93,013	93,596	93,771	93,821	93,869	162.6	163.7	164.7	165.na	165.1	165.2
WOU All Tas	441,050	578,926	p(C)	86,839	141,438	158,219	168,499	183,916	189,861	210,577	162.9	182.2	194.na	211.8	218.6	242.5

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
WOU OG All Tas	84,542	na	p(OG)	50,725	60,719	64,117	70,286	71,956	72,413	73,475	119.7	126.4	138.6	141.9	142.8	144.8
WRE All Tas	83,220	110,904	p(C)	16,636	22,604	25,595	26,568	28,409	30,092	39,560	135.9	153.9	159.7	170.8	180.9	237.8
WRE OG All Tas	12,793	na	p(OG)	7,676	8,349	8,857	9,472	9,764	9,930	10,491	108.8	115.4	123.4	127.2	129.4	136.7
WSU All Tas	28,008	28,402	p(C)	7,446	26,125	26,658	27,282	27,668	27,730	27,787	350.9	358.na	366.4	371.6	372.4	373.2
WSU OG All Tas	12,409	na	p(OG)	7,446	11,522	11,650	12,203	12,325	12,343	12,345	154.7	156.5	163.9	165.5	165.8	165.8
WVI All Tas	7,592	76,807	E	7,592	2,197	2,220	2,220	2,220	2,225	2,351	28.9	29.2	29.2	29.2	29.3	31.na
WVI OG All Tas	301	na	R/D	301	187	187	187	187	187	198	61.9	62.2	62.2	62.2	62.2	65.7

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, Ben Lomond bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAC BL	49,574	71,455	p(C)	10,718	17,571	22,576	22,576	22,576	22,576	25,892	163.9	210.6	210.6	210.6	210.6	241.6
DAC OG BL	6,354	na	p(OG)	3,812	5,498	5,599	5,599	5,599	5,599	5,652	144.2	146.9	146.9	146.9	146.9	148.2
DAD BL	44,092	51,875	p(C)	7,781	9,096	10,492	10,492	10,492	10,492	11,487	116.9	134.8	134.8	134.8	134.8	147.6
DAD OG BL	1,956	na	R/D	1,956	875	1,067	1,067	1,067	1,067	1,186	44.7	54.6	54.6	54.6	54.6	60.6
DAM BL	24,883	36,776	p(C)	5,516	7,104	8,213	8,213	8,213	8,213	10,993	128.8	148.9	148.9	148.9	148.9	199.3
DAM OG BL	1,222	na	R/D	1,222	767	843	843	843	843	960	62.7	69.na	69.na	69.na	69.na	78.6
DAS BL	2,284	3,404	V	1,371	900	900	900	900	900	1,023	65.7	65.7	65.7	65.7	65.7	74.6
DAS OG BL	336	na	R/D	336	292	292	292	292	292	317	86.8	86.8	86.8	86.8	86.8	94.1
DAZ BL	817	5,942	V	817	115	115	115	115	115	336	14.1	14.1	14.1	14.1	14.1	41.1
DAZ OG BL	39	na	R/D	39	20	20	20	20	20	28	53.na	53.na	53.na	53.na	53.na	73.1
DCO BL	1,217	1,217	R	1,217	1,116	1,119	1,119	1,119	1,119	1,187	91.7	92.na	92.na	92.na	92.na	97.6
DCO OG BL	115	na	R/D	115	115	115	115	115	115	115	99.6	99.6	99.6	99.6	99.6	99.7
DDE BL	50,545	51,434	p(C)	7,715	15,944	18,367	18,367	18,367	18,367	29,434	206.7	238.1	238.1	238.1	238.1	381.5
DDE OG BL	6,910	na	p(OG)	4,146	4,508	4,922	4,922	4,922	4,922	6,280	108.7	118.7	118.7	118.7	118.7	151.5
DGL BL	250	254	R	250	109	131	131	131	131	132	43.5	52.4	52.4	52.4	52.4	52.7
DGL OG BL	2	na	R/D	2	2	2	2	2	2	2	100.na	100.na	100.na	100.na	100.na	100.na
DOB BL	28,833	42,018	p(C)	6,303	6,335	9,414	9,414	9,414	9,414	12,701	100.5	149.4	149.4	149.4	149.4	201.5
DOB OG BL	1,849	na	R/D	1,849	1,183	1,326	1,326	1,326	1,326	1,481	64.na	71.7	71.7	71.7	71.7	80.1
DOV BL	2,652	18,096	E	2,652	420	489	489	489	489	519	15.9	18.4	18.4	18.4	18.4	19.6
DOV OG BL	46	na	R/D	46	12	12	12	12	12	16	26.4	26.9	26.9	26.9	26.9	34.7
DPD BL	1,409	1,432	p(C)	1,000	321	451	451	451	451	582	32.1	45.1	45.1	45.1	45.1	58.2
DPD OG BL	28	na	R/D	28	14	26	26	26	26	28	49.9	91.8	91.8	91.8	91.8	98.1
DPO BL	1,036	3,054	V	1,000	134	184	184	184	184	237	13.4	18.4	18.4	18.4	18.4	23.7
DPO OG BL	3	na	R/D	3	1	3	3	3	3	3	50.3	100.na	100.na	100.na	100.na	100.na

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DPU BL	160	161	R	160	12	16	16	16	16	16	7.5	10.na	10.na	10.na	10.na	10.na
DPU OG BL	5	na	R/D	5	1	1	1	1	1	1	17.1	17.1	17.1	17.1	17.1	17.1
DRO BL	1,714	1,968	p(C)	1,000	387	445	445	445	445	929	38.7	44.5	44.5	44.5	44.5	92.9
DRO OG BL	47	na	R/D	47	17	18	18	18	18	40	37.1	39.1	39.1	39.1	39.1	84.7
DSC BL	11,507	12,269	p(C)	1,840	1,733	1,944	1,948	1,948	1,948	3,362	94.2	105.7	105.8	105.8	105.8	182.7
DSC OG BL	420	na	R/D	420	249	258	258	258	258	302	59.3	61.5	61.6	61.6	61.6	72.1
DSG BL	18,323	19,052	p(C)	2,858	5,558	9,654	9,654	9,654	9,654	12,481	194.5	337.8	337.8	337.8	337.8	436.7
DSG OG BL	1,075	na	R/D	1,075	876	939	939	939	939	985	81.5	87.3	87.3	87.3	87.3	91.7
DSO BL	23,394	25,679	p(C)	3,852	8,890	10,254	10,254	10,254	10,254	13,437	230.8	266.2	266.2	266.2	266.2	348.8
DSO OG BL	1,040	na	R/D	1,040	699	722	722	722	722	806	67.2	69.4	69.4	69.4	69.4	77.6
DVG BL	12,242	16,702	p(C)	2,505	1,407	1,779	1,779	1,779	1,779	1,885	56.1	71.na	71.na	71.na	71.na	75.3
DVG OG BL	172	na	R/D	172	36	37	37	37	37	37	21.na	21.4	21.4	21.4	21.4	21.4
NAD BL	10,515	13,193	p(C)	1,979	2,871	3,337	3,491	3,491	3,491	4,563	145.1	168.6	176.4	176.4	176.4	230.6
NAD OG BL	na	na	na	na		na	na	na	na	na	na	na	na	na	na	na
NAF BL	506	506	R	506	113	128	133	133	133	249	22.4	25.3	26.4	26.4	26.4	49.3
NAF OG BL	na	na	na	na		na	na	na	na	na	na	na	na	na	na	na
NAR BL	332	802	R	332	108	135	137	137	137	216	32.4	40.8	41.4	41.4	41.4	65.1
NAR OG BL	na	na	na	na		na	na	na	na	na	na	na	na	na	na	na
NAV BL	705	705	R	705	126	170	170	170	170	172	17.9	24.1	24.1	24.1	24.1	24.4
NAV OG BL	17	na	R/D	17	1	3	3	3	3	3	3.4	20.2	20.2	20.2	20.2	20.2
NLM BL	64	385	R	64	28	32	32	32	32	38	44.3	50.6	50.6	50.6	50.6	59.5
NLM OG BL	3	na	R/D	3	3	3	3	3	3	3	81.9	81.9	81.9	81.9	81.9	81.9
NME BL	192	880	E	192	28	41	41	41	41	42	14.4	21.1	21.1	21.1	21.1	21.9
NME OG BL	3	na	R/D	3	na	na	na	na	na	na	15.3	15.3	15.3	15.3	15.3	15.3
NNP BL	140	597	E	140	43	45	45	45	45	83	31.na	32.na	32.na	32.na	32.na	59.8
NNP OG BL	2	na	R/D	2	1	1	1	1	1	2	62.1	62.1	62.1	62.1	62.1	86.na
RMS BL	5,428	5,443	p(C)	1,000	3,368	4,134	4,248	4,248	4,248	4,681	336.8	413.4	424.8	424.8	424.8	468.1
RMS OG BL	1,398	na	p(OG)	1,000	1,149	1,189	1,219	1,219	1,219	1,275	114.9	118.9	121.9	121.9	121.9	127.5
RMT BL	28,959	35,357	p(C)	8,345	15,874	17,407	19,044	19,044	19,044	22,273	190.2	208.6	228.2	228.2	228.2	266.9

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
RMT OG BL	13,909	na	p(OG)	8,345	10,006	10,211	11,410	11,410	11,410	12,278	119.9	122.4	136.7	136.7	136.7	147.1
RPF BL	2	2	R	2	na	na	na	na	na	2	na.na	14.6	14.6	14.6	14.6	99.9
RPF OG BL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
WBR BL	95	289	R	95	15	29	29	29	29	44	15.5	30.5	30.5	30.5	30.5	46.6
WBR OG BL	1	na	R/D	1	na	na	na	na	na	1	na.na	na.na	na.na	na.na	na.na	79.8
WDU BL	39,806	43,544	p(C)	6,532	10,446	12,350	12,484	12,484	12,484	22,283	159.9	189.1	191.1	191.1	191.1	341.2
WDU OG BL	5,928	na	p(C)	1,000	3,026	3,287	3,347	3,347	3,347	4,750	302.6	328.7	334.7	334.7	334.7	475.na
WOU BL	36,383	56,338	p(C)	8,451	8,747	11,694	11,755	11,755	11,755	17,225	103.5	138.4	139.1	139.1	139.1	203.8
WOU OG BL	3,127	na	R/D	3,127	1,574	1,812	1,844	1,844	1,844	2,216	50.3	58.na	59.na	59.na	59.na	70.9
WRE BL	31,596	46,812	p(C)	7,022	8,761	10,474	10,717	10,717	10,717	17,615	124.8	149.2	152.6	152.6	152.6	250.9
WRE OG BL	4,085	na	p(OG)	2,451	2,415	2,566	2,683	2,683	2,683	3,102	98.5	104.7	109.4	109.4	109.4	126.5
WSU BL	4	4	R	4	1	1	1	1	1	1	16.1	28.na	28.na	28.na	28.na	28.na
WSU OG BL	na	na	R/D	na	na	na	na	na	na	na	100.na	100.na	100.na	100.na	100.na	100.na
WVI BL	1,664	11,969	E	1,664	316	330	330	330	330	435	19.na	19.8	19.8	19.8	19.8	26.1
WVI OG BL	53	na	R/D	53	33	34	34	34	34	45	62.2	63.8	63.8	63.8	63.8	83.6

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, Central Highlands bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAD CH	2,066	2,167	p(C)	1,000	477	477	477	477	477	477	47.7	47.7	47.7	47.7	47.7	47.7
DAD OG CH	168	na	R/D	168	94	94	94	94	94	94	55.9	55.9	55.9	55.9	55.9	55.9
DAS CH	1	1	R	1	1	1	1	1	1	1	100.na	99.9	99.9	99.9	99.9	99.9
DAS OG CH	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DCO CH	96,071	100,518	p(C)	15,078	84,147	85,115	85,115	85,172	85,182	85,378	558.1	564.5	564.5	564.9	565.na	566.3
DCO OG CH	24,786	na	p(OG)	14,872	21,882	22,241	22,241	22,262	22,264	22,312	147.1	149.6	149.6	149.7	149.7	150.na
DDE CH	120,368	129,407	p(C)	19,411	32,021	38,572	38,579	39,267	42,182	45,213	165.na	198.7	198.7	202.3	217.3	232.9
DDE OG CH	21,622	na	p(OG)	12,973	14,514	15,847	15,848	16,066	16,542	16,854	111.9	122.2	122.2	123.8	127.5	129.9
DNI CH	3,258	3,369	p(C)	1,000	2,707	2,860	2,879	2,887	2,887	2,887	270.7	286.na	287.9	288.7	288.7	288.7
DNI OG CH	957	na	R/D	957	826	850	850	853	853	853	86.3	88.8	88.8	89.1	89.1	89.1
DOV CH	5	5	E	5	5	5	5	5	5	5	100.na	100.na	100.na	100.na	100.na	100.na
DOV OG CH	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DPD CH	19,662	20,815	p(C)	3,122	5,805	6,313	6,313	6,315	6,351	6,383	185.9	202.2	202.2	202.3	203.4	204.4
DPD OG CH	3,159	na	p(OG)	1,895	2,668	2,759	2,759	2,759	2,766	2,779	140.8	145.6	145.6	145.6	145.9	146.6
DPO CH	1,503	1,534	p(C)	1,000	87	87	87	87	87	87	8.7	8.7	8.7	8.7	8.7	8.7
DPO OG CH	20	na	R/D	20	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
DRO CH	5,463	5,507	p(C)	1,000	798	816	816	817	818	851	79.8	81.6	81.6	81.7	81.8	85.1
DRO OG CH	198	na	R/D	198	99	99	99	99	99	102	50.na	50.na	50.na	50.na	50.1	51.4
DVG CH	32	32	R	32	31	31	31	31	31	31	98.8	98.8	98.8	98.8	98.8	98.8
DVG OG CH	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAD CH	3,614	3,615	p(C)	1,000	2,114	2,415	2,415	2,448	2,448	2,477	211.4	241.5	241.5	244.8	244.8	247.7

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
NAD OG CH	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAR CH	2,402	2,402	p(C)	1,000	1,813	1,815	1,926	1,926	1,926	1,926	181.3	181.5	192.6	192.6	192.6	192.6
NAR OG CH	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NLM CH	115	115	R	115	84	84	84	84	84	84	72.8	72.8	72.8	72.8	72.8	72.8
NLM OG CH	16	na	R/D	16	15	15	15	15	15	15	93.9	93.9	93.9	93.9	93.9	93.9
RHP CH	15	15	R	15	15	15	15	15	15	15	100.na	100.na	100.na	100.na	100.na	100.na
RHP OG CH	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
RKF CH	3,115	3,115	R	3,115	2,944	2,944	2,970	2,970	2,970	2,970	94.5	94.5	95.3	95.3	95.3	95.3
RKF OG CH	343	na	R/D	343	331	331	331	331	331	331	96.4	96.4	96.4	96.4	96.4	96.4
RKP CH	10,497	10,497	V	6,298	9,316	13,673	14,243	14,243	14,246	14,246	147.9	217.1	226.1	226.2	226.2	226.2
RKP OG CH	5,850	na	p(OG)	3,510	5,653	5,936	5,937	5,937	5,938	5,938	161.1	169.1	169.2	169.2	169.2	169.2
RMS CH	16,059	19,076	p(C)	5,255	12,594	12,769	13,420	13,505	13,554	13,557	239.7	243.na	255.4	257.na	257.9	258.na
RMS OG CH	8,758	na	p(OG)	5,255	7,711	7,760	8,073	8,088	8,097	8,097	146.7	147.7	153.6	153.9	154.1	154.1
RMT CH	53,028	56,801	p(C)	22,645	46,444	46,672	48,271	48,367	48,541	48,546	205.1	206.1	213.2	213.6	214.4	214.4
RMT OG CH	37,741	na	p(OG)	22,645	34,896	35,008	35,917	35,943	35,950	35,950	154.1	154.6	158.6	158.7	158.8	158.8
RPF CH	4,403	4,403	R	4,403	4,403	4,403	4,403	4,403	4,403	4,403	100.na	100.na	100.na	100.na	100.na	100.na
RPF OG CH	354	na	R/D	354	354	354	354	354	354	354	100.na	100.na	100.na	100.na	100.na	100.na
RPP CH	3,458	3,458	R	3,458	3,456	19,217	19,217	19,217	19,217	19,217	99.9	555.6	555.6	555.6	555.6	555.6
RPP OG CH	322	na	R/D	322	321	1,035	1,035	1,035	1,035	1,035	99.7	321.3	321.3	321.3	321.3	321.3
WDU CH	82,693	92,712	p(C)	18,095	48,101	49,691	49,750	51,117	51,978	52,671	265.8	274.6	274.9	282.5	287.2	291.1
WDU OG CH	30,159	na	p(OG)	18,095	26,868	27,231	27,235	27,428	27,481	27,537	148.5	150.5	150.5	151.6	151.9	152.2
WNU CH	17,692	17,743	p(C)	3,838	15,895	16,637	16,757	16,787	16,830	16,831	414.1	433.5	436.6	437.4	438.5	438.5
WNU OG CH	6,397	na	p(OG)	3,838	6,108	6,150	6,176	6,176	6,206	6,206	159.2	160.2	160.9	160.9	161.7	161.7
WRE CH	1	1	R	1	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
WRE OG CH	1	na	R/D	1	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
WSU CH	17,315	17,315	p(C)	4,410	17,143	17,164	17,164	17,164	17,168	17,168	388.7	389.2	389.2	389.2	389.3	389.3
WSU OG CH	7,350	na	p(OG)	4,410	7,309	7,311	7,311	7,311	7,312	7,312	165.7	165.8	165.8	165.8	165.8	165.8

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, Flinders bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAC FL	84,077	149,898	p(C)	22,485	33,943	36,248	36,248	36,248	36,248	37,111	151.na	161.2	161.2	161.2	161.2	165.na
DAC OG FL	13,319	na	p(OG)	7,992	8,480	8,803	8,803	8,803	8,803	8,843	106.1	110.2	110.2	110.2	110.2	110.7
DAD FL	5,008	7,622	p(C)	1,143	398	403	403	403	403	407	34.8	35.3	35.3	35.3	35.3	35.6
DAD OG FL	207	na	R/D	207	96	99	99	99	99	99	46.7	47.8	47.8	47.8	47.8	47.8
DAM FL	2,124	3,719	p(C)	1,000	925	1,196	1,196	1,196	1,196	1,238	92.5	119.6	119.6	119.6	119.6	123.8
DAM OG FL	56	na	R/D	56	18	39	39	39	39	39	32.na	70.2	70.2	70.2	70.2	70.2
DAS FL	80	84	R	80	5	61	61	61	61	61	6.2	76.3	76.3	76.3	76.3	76.3
DAS OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DGL FL	1,009	1,256	R	1,009	354	373	373	373	373	390	35.1	37.na	37.na	37.na	37.na	38.7
DGL OG FL	3	na	R/D	3	2	2	2	2	2	2	51.6	51.6	51.6	51.6	51.6	51.6
DNF FL	9,686	49,964	V	7,495	5,958	5,958	5,958	5,958	5,958	5,958	79.5	79.5	79.5	79.5	79.5	79.5
DNF OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DOB FL	6,002	7,889	p(C)	1,183	2,462	3,474	3,474	3,474	3,474	3,526	208.1	293.6	293.6	293.6	293.6	298.na
DOB OG FL	1,318	na	p(OG)	1,000	976	1,179	1,179	1,179	1,179	1,179	97.6	117.9	117.9	117.9	117.9	117.9
DOV FL	1,213	21,590	E	1,213	596	596	596	596	596	596	49.1	49.1	49.1	49.1	49.1	49.1
DOV OG FL	46	na	R/D	46	41	41	41	41	41	41	89.6	89.5	89.5	89.5	89.5	89.5
DPO FL	29	1,922	E	29	16	16	16	16	16	16	55.8	55.8	55.8	55.8	55.8	55.8
DPO OG FL	11	na	R/D	11	8	8	8	8	8	8	67.8	67.8	67.8	67.8	67.8	67.8
DSC FL	1,016	3,252	R	1,016	194	212	212	212	212	212	19.1	20.8	20.8	20.8	20.8	20.8
DSC OG FL	13	na	R/D	13	12	12	12	12	12	12	91.1	91.2	91.2	91.2	91.2	91.2
DSG FL	8,093	8,610	p(C)	1,291	2,439	3,259	3,259	3,259	3,259	3,542	188.9	252.4	252.4	252.4	252.4	274.3
DSG OG FL	191	na	R/D	191	150	152	152	152	152	157	78.2	79.6	79.6	79.6	79.6	82.na
DSO FL	10,724	12,581	p(C)	1,887	1,518	3,623	3,623	3,623	3,623	4,209	80.5	192.na	192.na	192.na	192.na	223.na
DSO OG FL	414	na	R/D	414	97	124	124	124	124	124	23.5	29.9	29.9	29.9	29.9	29.9

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DVC FL	1,448	2,819	R	1,448	501	500	500	500	500	500	34.6	34.5	34.5	34.5	34.5	34.5
DVC OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DVF FL	1,052	13,285	E	1,052	412	412	412	412	412	412	39.1	39.1	39.1	39.1	39.1	39.1
DVF OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DVG FL	291	1,529	E	291	25	25	25	25	25	25	8.7	8.7	8.7	8.7	8.7	8.7
DVG OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAD FL	188	1,887	p(C)	188	72	81	81	81	81	84	38.4	43.2	43.2	43.2	43.2	44.8
NAD OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAF FL	370	790	R	370	103	323	323	323	323	323	27.9	87.2	87.2	87.2	87.2	87.4
NAF OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAV FL	14,145	15,729	p(C)	2,359	4,198	3,392	3,392	3,392	3,392	3,392	177.9	143.8	143.8	143.8	143.8	143.8
NAV OG FL	321	na	R/D	321	267	267	267	267	267	267	82.9	83.na	83.na	83.na	83.na	83.na
NBS FL	10	10	E	10	10	10	10	10	10	10	100.na	100.na	100.na	100.na	100.na	100.na
NBS OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NCR FL	164	1,000	R	164	128	119	119	119	119	119	78.1	72.4	72.4	72.4	72.4	72.4
NCR OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NLM FL	33	1,171	E	33	26	26	26	26	26	26	77.3	77.3	77.3	77.3	77.3	77.3
NLM OG FL	12	na	R/D	12	12	12	12	12	12	12	100.na	100.na	100.na	100.na	100.na	100.na
NME FL	3,272	8,322	E	3,272	1,178	1,190	1,190	1,190	1,190	1,197	36.na	36.4	36.4	36.4	36.4	36.6
NME OG FL	188	na	R/D	188	114	114	114	114	114	114	60.5	60.5	60.5	60.5	60.5	60.8
RMS FL	5	5	R	5	5	5	5	5	5	5	100.na	100.na	100.na	100.na	100.na	100.na
RMS OG FL	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
WOU FL	2,365	2,608	p(C)	1,000	662	1,043	1,043	1,043	1,043	1,335	66.2	104.3	104.3	104.3	104.3	133.5
WOU OG FL	255	na	R/D	255	185	210	210	210	210	213	72.4	82.2	82.2	82.2	82.2	83.3

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, King bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAC KI	87	87	R	87	16	16	16	16	16	16	18.na	18.na	18.na	18.na	18.na	18.na
DAC OG KI	52	na	R/D	52	6	6	6	6	6	6	10.8	10.8	10.8	10.8	10.8	10.8
DNI KI	13,286	16,239	p(C)	2,939	5,854	6,063	6,069	6,087	6,188	6,208	199.1	206.3	206.5	207.1	210.5	211.2
DNI OG KI	4,899	na	p(OG)	2,939	2,152	2,284	2,287	2,287	2,323	2,330	73.2	77.7	77.8	77.8	79.na	79.3
DOB KI	9,213	22,436	p(C)	3,365	2,112	2,307	2,318	2,447	2,585	2,847	62.8	68.5	68.9	72.7	76.8	84.6
DOB OG KI	2,110	na	p(OG)	1,266	756	836	836	836	864	924	59.7	66.na	66.na	66.na	68.2	73.na
DOV KI	1,173	5,873	E	1,173	406	406	406	406	406	406	34.6	34.6	34.6	34.6	34.6	34.6
DOV OG KI	59	na	R/D	59	na	na	na	na	na	na	na.3	na.3	na.3	na.3	na.3	na.3
DVC KI	366	483	R	366	354	354	354	354	354	354	96.7	96.7	96.7	96.7	96.7	96.7
DVC OG KI	3	na	R/D	3	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
DVG KI	441	461	R	441	440	440	440	440	440	440	99.8	99.8	99.8	99.8	99.8	99.8
DVG OG KI	1	na	R/D	1	1	1	1	1	1	1	100.na	100.na	100.na	100.na	100.na	100.na
NAD KI	28	35	p(C)	28	5	5	5	5	5	5	16.9	16.9	16.9	16.9	16.9	16.9
NAD OG KI	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAF KI	8,669	14,123	p(C)	2,119	2,706	2,706	2,712	2,712	2,715	2,857	127.7	127.7	128.na	128.na	128.2	134.8
NAF OG KI	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAR KI	4,741	6,959	p(C)	1,044	753	753	768	768	768	1,073	72.1	72.2	73.5	73.5	73.6	102.8
NAR OG KI	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NBS KI	158	222	E	158	86	128	128	128	128	128	54.3	80.9	80.9	80.9	80.9	80.9
NBS OG KI	85	na	R/D	85	26	67	67	67	67	67	30.7	78.8	78.8	78.8	78.8	78.8
NLM KI	4,704	22,496	V	3,374	1,180	1,135	1,135	1,135	1,179	1,234	35.na	33.6	33.6	33.6	34.9	36.6
NLM OG KI	209	na	R/D	209	134	134	134	134	134	137	63.9	63.9	63.9	63.9	63.9	65.5
NME KI	3,942	19,096	E	3,942	1,144	1,144	1,144	1,144	1,144	1,264	29.na	29.na	29.na	29.na	29.na	32.1
NME OG KI	47	na	R/D	47	4	4	4	4	4	4	7.7	7.7	7.7	7.7	7.7	7.7

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
NNP KI	8	8	E	8	3	3	3	3	3	3	40.na	39.4	39.4	39.4	39.4	41.7
NNP OG KI	5	na	R/D	5	2	2	2	2	2	2	38.2	38.2	38.2	38.2	38.2	38.6
RMS KI	12,583	12,733	p(C)	3,609	3,446	3,489	3,653	3,947	4,209	4,687	95.5	96.7	101.2	109.4	116.6	129.9
RMS OG KI	6,015	na	p(OG)	3,609	2,422	2,433	2,466	2,689	2,884	2,890	67.1	67.4	68.3	74.5	79.9	80.1
RMT KI	8,856	8,925	p(C)	4,010	4,728	4,983	5,908	6,114	6,443	6,540	117.9	124.3	147.3	152.5	160.7	163.1
RMT OG KI	6,683	na	p(OG)	4,010	4,108	4,153	4,957	5,159	5,353	5,389	102.4	103.6	123.6	128.7	133.5	134.4
WBR KI	5,871	12,684	V	3,522	1,782	1,782	1,782	1,782	1,782	1,790	50.6	50.6	50.6	50.6	50.6	50.8
WBR OG KI	653	na	R/D	653	267	267	267	267	267	271	40.8	40.8	40.8	40.8	40.8	41.5
WGK KI	1,293	32,110	E	1,293	727	1,136	1,136	1,136	1,136	1,136	56.2	87.9	87.9	87.9	87.9	87.9
WGK OG KI	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
WNU KI	4,510	4,673	p(C)	1,000	1,322	1,389	1,390	1,391	1,562	1,712	132.2	138.9	139.na	139.1	156.2	171.2
WNU OG KI	615	na	R/D	615	340	345	345	345	353	374	55.3	56.1	56.1	56.1	57.4	60.8
WOU KI	63,129	75,095	p(C)	11,264	10,496	10,878	11,547	12,476	14,618	18,115	93.2	96.6	102.5	110.8	129.8	160.8
WOU OG KI	6,933	na	R/D	6,933	3,077	3,088	3,402	3,466	3,639	3,782	44.4	44.5	49.1	50.na	52.5	54.6
WRE KI	23	23	R	23	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
WRE OG KI	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
WVI KI	55	385	E	55	10	10	10	10	10	10	18.2	18.2	18.2	18.2	18.2	18.2
WVI OG KI	na	na	R/D	na	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, Northern Midlands bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAC NM	na	261	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DAC OG NM	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DAD NM	19,703	48,499	p(C)	7,275	3,140	3,140	3,140	3,140	3,573	3,626	43.2	43.2	43.2	43.2	49.1	49.8
DAD OG NM	626	na	R/D	626	435	435	435	435	439	440	69.5	69.5	69.5	69.5	70.2	70.2
DAM NM	4,336	11,229	p	1,000	1,309	1,348	1,348	1,348	1,521	1,521	130.9	134.8	134.8	134.8	152.1	152.1
DAM OG NM	215	na	R/D	215	33	33	33	33	38	38	15.2	15.2	15.2	15.2	17.8	17.8
DAS NM	2,269	6,288	V	1,361	433	440	440	440	471	471	31.8	32.3	32.3	32.3	34.6	34.6
DAS OG NM	90	na	R/D	90	19	19	19	19	21	21	20.7	21.1	21.1	21.1	23.2	23.3
DAZ NM	21,300	76,583	V	12,780	5,635	5,660	5,660	5,660	5,680	5,680	44.1	44.3	44.3	44.3	44.4	44.4
DAZ OG NM	2,645	na	R/D	2,645	926	927	927	927	927	927	35.na	35.1	35.1	35.1	35.1	35.1
DDE NM	69	1,198	E	69	66	66	66	66	66	66	96.2	96.2	96.2	96.2	96.2	96.2
DDE OG NM	na	na	R/D	na	na	na	na	na	na	na	100.na	100.na	100.na	100.na	100.na	100.na
DOB NM	84	1,828	E	84	3	3	3	3	3	3	3.8	3.8	3.8	3.8	3.8	3.8
DOB OG NM	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DOV NM	2,219	57,912	E	2,219	200	200	200	200	201	201	9.na	9.na	9.na	9.na	9.na	9.na
DOV OG NM	50	na	R/D	50	6	6	6	6	6	6	12.7	12.7	12.7	12.7	12.7	12.7
DPD NM	701	1,501	R	701	85	85	85	85	85	86	12.1	12.1	12.1	12.1	12.1	12.3
DPD OG NM	8	na	R/D	8	1	1	1	1	1	1	15.5	15.5	15.5	15.5	15.5	15.5
DPO NM	370	5,043	E	370	47	47	47	47	47	47	12.6	12.6	12.6	12.6	12.6	12.6
DPO OG NM	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DRO NM	642	1,483	R	642	242	242	242	242	242	242	37.6	37.6	37.6	37.6	37.6	37.6
DRO OG NM	26	na	R/D	26	18	18	18	18	18	18	72.na	72.na	72.na	72.na	72.na	72.na
DSC NM	523	6,124	E	523	339	339	339	339	368	421	64.9	64.9	64.9	64.9	70.3	80.5
DSC OG NM	88	na	R/D	88	84	84	84	84	84	85	96.na	96.na	96.na	96.na	96.na	96.3
DVG NM	27,400	99,322	V	16,440	4,228	4,228	4,228	4,228	4,228	4,228	25.7	25.7	25.7	25.7	25.7	25.7

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DVG OG NM	2,446	na	R/D	2,446	676	676	676	676	676	676	27.6	27.6	27.6	27.6	27.6	27.6
NAD NM	164	243	p(C)	164	40	40	40	40	40	40	24.6	24.6	24.6	24.6	24.6	24.6
NAD OG NM	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAF NM	22	22	R	22	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
NAF OG NM	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAV NM	157	198	R	157	82	82	82	82	82	82	52.2	52.2	52.2	52.2	52.2	52.2
NAV OG NM	na	na	R/D	na	na	na	na	na	na	na	100.na	100.na	100.na	100.na	100.na	100.na
NME NM	96	1,233	E	96	14	14	14	14	14	14	14.7	14.7	14.7	14.7	14.7	14.7
NME OG NM	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
WVI NM	182	2,297	E	182	104	104	104	104	104	104	57.2	57.2	57.2	57.2	57.2	57.2
WVI OG NM	23	na	R/D	23	13	13	13	13	13	13	57.3	57.3	57.3	57.3	57.3	57.3

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, Northern Slopes bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAC NS	7,528	9,148	p(C)	1,372	3,000	3,715	3,715	3,715	3,715	4,090	218.6	270.7	270.7	270.7	270.7	298.na
DAC OG NS	801	na	R/D	801	617	651	651	651	651	651	77.na	81.2	81.2	81.2	81.2	81.2
DAD NS	10,804	15,028	p(C)	2,254	2,982	2,985	2,985	2,986	2,987	3,124	132.3	132.4	132.4	132.5	132.5	138.6
DAD OG NS	390	na	R/D	390	231	231	231	231	231	233	59.1	59.1	59.1	59.1	59.1	59.6
DAM NS	3,812	4,949	p(C)	1,000	446	566	566	566	566	665	44.6	56.6	56.6	56.6	56.6	66.5
DAM OG NS	119	na	R/D	119	60	84	84	84	84	84	50.9	70.8	70.8	70.8	70.9	70.9
DAS NS	9,208	11,511	V	5,525	4,517	4,690	4,690	4,690	4,691	4,813	81.8	84.9	84.9	84.9	84.9	87.1
DAS OG NS	757	na	R/D	757	652	664	664	664	664	664	86.1	87.7	87.7	87.7	87.7	87.7
DAZ NS	2,087	2,984	V	1,252	175	175	175	175	175	186	14.na	14.na	14.na	14.na	14.na	14.8
DAZ OG NS	12	na	R/D	12	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
DDE NS	9,119	10,861	p(C)	1,629	3,778	4,114	4,114	4,415	4,527	4,723	231.9	252.5	252.5	271.na	277.9	289.9
DDE OG NS	1,861	na	p(OG)	1,117	1,556	1,575	1,575	1,593	1,600	1,601	139.4	141.1	141.1	142.6	143.3	143.3
DNI NS	3,143	3,488	p(C)	1,000	1,856	2,181	2,208	2,258	2,258	2,333	185.6	218.1	220.8	225.8	225.8	233.3
DNI OG NS	934	na	R/D	934	779	856	882	884	884	898	83.4	91.6	94.5	94.6	94.6	96.1
DOB NS	32,967	47,687	p(C)	7,153	12,260	15,072	15,087	15,236	15,343	16,066	171.4	210.7	210.9	213.na	214.5	224.6
DOB OG NS	4,211	na	p(OG)	2,527	2,870	3,312	3,314	3,331	3,331	3,353	113.6	131.1	131.2	131.8	131.8	132.7
DOV NS	3,948	28,746	E	3,948	735	735	735	735	735	877	18.6	18.6	18.6	18.6	18.6	22.2
DOV OG NS	140	na	R/D	140	29	29	29	29	29	48	20.9	21.na	21.na	21.na	21.na	34.na
DPD NS	20	20	R	20	20	20	20	20	20	20	100.na	100.na	100.na	100.na	100.na	100.na
DPD OG NS	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DPO NS	8	331	E	8	4	4	4	4	4	4	57.7	57.7	57.7	57.7	57.7	57.7
DPO OG NS	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DRO NS	163	1,174	E	163	75	85	85	85	85	85	46.3	52.5	52.5	52.5	52.5	52.5

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DRO OG NS	5	na	R/D	5	1	1	1	1	1	1	13.1	13.1	13.1	13.1	13.1	13.1
DSC NS	37,119	65,630	p(C)	9,845	11,236	11,480	11,480	11,521	12,239	13,892	114.1	116.6	116.6	117.na	124.3	141.1
DSC OG NS	1,611	na	R/D	1,611	1,181	1,251	1,251	1,251	1,252	1,306	73.3	77.6	77.6	77.6	77.7	81.1
DVC NS	43	806	E	43	6	6	6	6	6	6	13.6	13.6	13.6	13.6	13.6	13.6
DVC OG NS	na	na	na		na	na	na	na	na	na	na	na	na	na	na	na
DVG NS	984	2,017	R	984	89	97	97	97	97	97	9.1	9.9	9.9	9.9	9.9	9.9
DVG OG NS	4	na	R/D	4	4	4	4	4	4	4	100.na	100.na	100.na	100.na	100.na	100.na
NAD NS	19,430	21,309	p(C)	3,196	5,649	6,114	6,114	6,302	6,345	6,926	176.7	191.3	191.3	197.2	198.5	216.7
NAD OG NS	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAF NS	79	2,364	E	79	13	13	13	13	13	13	16.1	16.6	16.6	16.6	16.6	16.7
NAF OG NS	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAR NS	5,062	7,422	p(C)	1,113	1,310	1,410	1,439	1,439	1,439	1,603	117.6	126.7	129.2	129.2	129.2	144.na
NAR OG NS	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAV NS	2	3	R	2	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
NAV OG NS	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NLM NS	967	4,632	R	967	302	307	307	317	325	332	31.2	31.8	31.8	32.7	33.6	34.3
NLM OG NS	140	na	R/D	140	78	78	78	78	79	79	56.1	56.1	56.1	56.1	56.7	56.7
NME NS	138	1,129	E	138	23	23	23	23	23	27	17.na	17.na	17.na	17.na	17.na	19.9
NME OG NS	na	na	R/D	na	na	na	na	na	na	na	80.na	80.na	80.na	80.na	80.na	80.na
NNP NS	105	352	E	105	58	58	58	58	58	67	55.1	55.1	55.1	55.1	55.1	63.6
NNP OG NS	19	na	R/D	19	5	5	5	5	5	5	26.5	26.5	26.5	26.5	26.5	26.5
RKP NS	228	279	R	228	228	228	228	228	228	228	100.na	100.na	100.na	100.na	100.na	100.na
RKP OG NS	199	na	R/D	199	199	199	199	199	199	199	100.na	100.na	100.na	100.na	100.na	100.na
RMS NS	20,360	26,336	p(C)	7,570	12,385	13,356	14,369	14,522	14,562	14,771	163.6	176.4	189.8	191.8	192.4	195.1
RMS OG NS	12,616	na	p(OG)	7,570	9,057	9,453	10,203	10,303	10,338	10,402	119.7	124.9	134.8	136.1	136.6	137.4

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
RMT NS	32,229	49,304	p(C)	10,963	22,107	22,641	23,143	23,329	23,348	23,661	201.7	206.5	211.1	212.8	213.na	215.8
RMT OG NS	18,272	na	p(OG)	10,963	16,305	16,375	16,683	16,703	16,704	16,818	148.7	149.4	152.2	152.4	152.4	153.4
WBR NS	36	37	R	36	6	6	6	6	6	30	16.6	16.6	16.6	16.6	16.6	81.6
WBR OG NS	na	na	R/D	na	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	100.na
WDU NS	21,103	30,885	p(C)	4,633	7,400	8,788	8,800	10,098	10,489	11,166	159.7	189.7	189.9	218.na	226.4	241.na
WDU OG NS	2,211	na	p(OG)	1,327	1,695	1,743	1,743	1,772	1,791	1,805	127.7	131.4	131.4	133.6	135.na	136.1
WNU NS	2,780	2,934	p(C)	1,000	1,813	2,230	2,294	2,296	2,296	2,385	181.3	223.na	229.4	229.6	229.6	238.5
WNU OG NS	760	na	R/D	760	603	697	720	721	721	747	79.3	91.7	94.7	94.8	94.8	98.3
WOU NS	113,200	178,638	p(C)	26,796	25,312	28,472	29,319	30,139	30,549	34,612	94.5	106.3	109.4	112.5	114.na	129.2
WOU OG NS	7,885	na	R/D	7,885	5,592	5,870	6,350	6,377	6,380	6,554	70.9	74.4	80.5	80.9	80.9	83.1
WRE NS	2,449	9,167	V	1,469	872	980	980	980	980	1,140	59.3	66.7	66.7	66.7	66.7	77.6
WRE OG NS	99	na	R/D	99	54	73	73	73	73	73	54.8	74.na	74.na	74.na	74.na	74.na
WVI NS	5,380	55,527	E	5,380	1,639	1,649	1,649	1,649	1,653	1,675	30.5	30.6	30.6	30.6	30.7	31.1
WVI OG NS	135	na	R/D	135	71	71	71	71	71	71	52.8	52.8	52.8	52.8	52.8	52.8

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, South East bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAC SE	14,026	27,151	p(C)	4,315	8,343	8,343	8,343	8,343	8,343	8,343	193.3	193.3	193.3	193.3	193.3	193.3
DAC OG SE	7,192	na	p(OG)	4,315	5,070	5,070	5,070	5,070	5,070	5,070	117.5	117.5	117.5	117.5	117.5	117.5
DAD SE	83,217	100,498	p(C)	17,490	30,240	31,876	31,876	31,876	31,876	32,866	172.9	182.2	182.2	182.2	182.2	187.9
DAD OG SE	29,151	na	p(OG)	17,490	20,260	21,155	21,155	21,155	21,155	21,345	115.8	121.na	121.na	121.na	121.na	122.na
DAM SE	6,020	12,037	p(C)	1,806	1,647	1,644	1,644	1,644	1,644	1,644	91.2	91.1	91.1	91.1	91.1	91.1
DAM OG SE	1,780	na	p(OG)	1,068	776	776	776	776	776	776	72.7	72.7	72.7	72.7	72.7	72.7
DAS SE	28,462	95,351	V	17,077	7,725	7,755	7,755	7,755	7,755	7,757	45.2	45.4	45.4	45.4	45.4	45.4
DAS OG SE	7,556	na	p(OG)	4,534	4,465	4,471	4,471	4,471	4,471	4,471	98.5	98.6	98.6	98.6	98.6	98.6
DAZ SE	1,195	1,714	V	1,000	462	462	462	462	462	462	46.2	46.2	46.2	46.2	46.2	46.2
DAZ OG SE	162	na	R/D	162	50	50	50	50	50	50	30.9	30.9	30.9	30.9	30.9	30.9
DCO SE	384	536	R	384	270	281	281	281	281	336	70.4	73.1	73.1	73.1	73.1	87.6
DCO OG SE	73	na	R/D	73	22	22	22	22	22	64	29.5	29.5	29.5	29.5	29.5	87.2
DDE SE	57,329	67,749	p(C)	10,782	11,908	13,748	13,748	13,748	13,748	17,515	110.4	127.5	127.5	127.5	127.5	162.4
DDE OG SE	17,970	na	p(OG)	10,782	8,174	9,238	9,238	9,238	9,238	10,132	75.8	85.7	85.7	85.7	85.7	94.na
DGL SE	24,571	44,231	V	14,743	6,007	6,109	6,109	6,109	6,109	6,137	40.7	41.4	41.4	41.4	41.4	41.6
DGL OG SE	5,832	na	p(OG)	3,499	2,149	2,224	2,224	2,224	2,224	2,232	61.4	63.6	63.6	63.6	63.6	63.8
DMO SE	6	227	E	6	4	4	4	4	4	4	75.8	75.8	75.8	75.8	75.8	75.8
DMO OG SE	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DNI SE	5	8	R	5	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
DNI OG SE	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DOB SE	52,684	62,133	p(C)	9,320	17,178	19,330	19,330	19,330	19,330	20,112	184.3	207.4	207.4	207.4	207.4	215.8
DOB OG SE	14,615	na	p(OG)	8,769	8,406	9,408	9,408	9,408	9,408	9,507	95.9	107.3	107.3	107.3	107.3	108.4
DOV SE	4,285	47,375	E	4,285	957	961	961	961	961	962	22.3	22.4	22.4	22.4	22.4	22.4
DOV OG SE	400	na	R/D	400	299	299	299	299	299	299	74.7	74.7	74.7	74.7	74.7	74.8
DPD SE	5,320	7,028	p(C)	1,054	1,157	1,184	1,184	1,184	1,184	1,221	109.7	112.3	112.3	112.3	112.3	115.9

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DPD OG SE	861	na	R/D	861	726	753	753	753	753	757	84.3	87.5	87.5	87.5	87.5	87.9
DPO SE	5,374	11,871	V	3,225	478	500	500	500	500	516	14.8	15.5	15.5	15.5	15.5	16.na
DPO OG SE	518	na	R/D	518	55	59	59	59	59	63	10.6	11.3	11.3	11.3	11.3	12.2
DPU SE	131,170	173,694	p(C)	31,650	46,336	47,037	47,037	47,037	47,037	48,280	146.4	148.6	148.6	148.6	148.6	152.5
DPU OG SE	52,749	na	p(OG)	31,650	31,196	31,619	31,619	31,619	31,619	31,835	98.6	99.9	99.9	99.9	99.9	100.6
DRI SE	780	862	R	780	356	356	356	356	356	356	45.7	45.7	45.7	45.7	45.7	45.7
DRI OG SE	24	na	R/D	24	18	18	18	18	18	18	72.9	72.9	72.9	72.9	72.9	72.9
DRO SE	3,291	3,802	p(C)	1,000	397	397	397	397	397	397	39.7	39.7	39.7	39.7	39.7	39.7
DRO OG SE	871	na	R/D	871	251	251	251	251	251	251	28.8	28.8	28.8	28.8	28.8	28.8
DSC SE	137	189	R	137	37	37	37	37	37	37	26.6	26.6	26.6	26.6	26.6	26.6
DSC OG SE	17	na	R/D	17	na	na	na	na	na	na	na.1	na.1	na.1	na.1	na.1	na.1
DSG SE	416	520	R	416	329	329	329	329	329	329	79.2	79.2	79.2	79.2	79.2	79.2
DSG OG SE	329	na	R/D	329	321	321	321	321	321	321	97.5	97.5	97.5	97.5	97.5	97.5
DSO SE	1,329	1,979	p(C)	1,000	992	992	992	992	992	992	99.2	99.2	99.2	99.2	99.2	99.2
DSO OG SE	935	na	R/D	935	854	854	854	854	854	854	91.4	91.4	91.4	91.4	91.4	91.4
DTD SE	10,230	10,425	p(C)	3,018	5,901	5,986	5,986	5,986	5,986	6,458	195.5	198.4	198.4	198.4	198.4	214.na
DTD OG SE	5,030	na	p(OG)	3,018	4,146	4,170	4,170	4,170	4,170	4,297	137.4	138.2	138.2	138.2	138.2	142.4
DTG SE	3,572	3,698	p(C)	1,778	3,401	3,401	3,401	3,401	3,401	3,401	191.3	191.3	191.3	191.3	191.3	191.3
DTG OG SE	2,963	na	p(OG)	1,778	2,848	2,848	2,848	2,848	2,848	2,848	160.2	160.2	160.2	160.2	160.2	160.2
DTO SE	47,401	104,769	V	28,440	10,958	10,966	10,966	10,966	10,966	10,969	38.5	38.6	38.6	38.6	38.6	38.6
DTO OG SE	7,498	na	p(OG)	4,499	3,289	3,295	3,295	3,295	3,295	3,295	73.1	73.2	73.2	73.2	73.2	73.2
DVC SE	1,025	3,995	R	1,025	724	724	724	724	724	724	70.7	70.7	70.7	70.7	70.7	70.7
DVC OG SE	378	na	R/D	378	237	237	237	237	237	237	62.6	62.6	62.6	62.6	62.6	62.6
DVG SE	68,057	127,281	p(C)	19,092	8,287	8,311	8,311	8,311	8,311	8,324	43.4	43.5	43.5	43.5	43.5	43.6
DVG OG SE	6,518	na	R/D	6,518	2,040	2,040	2,040	2,040	2,040	2,041	31.3	31.3	31.3	31.3	31.3	31.3
NAD SE	1,923	2,039	p(C)	1,000	649	692	692	692	692	759	64.9	69.2	69.2	69.2	69.2	75.9
NAD OG SE	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAF SE	15	24	R	15	5	5	5	5	5	5	33.3	33.2	33.2	33.2	33.2	33.2
NAF OG SE	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
NAR SE	2	2	R	2	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
NAR OG SE	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAV SE	2,031	3,598	p(C)	1,000	1,207	1,207	1,207	1,207	1,207	1,207	120.7	120.7	120.7	120.7	120.7	120.7
NAV OG SE	514	na	R/D	514	361	361	361	361	361	361	70.3	70.3	70.3	70.3	70.3	70.3
NCR SE	651	1,214	R	651	410	418	418	418	418	418	63.na	64.1	64.1	64.1	64.1	64.1
NCR OG SE	511	na	R/D	511	316	319	319	319	319	319	61.9	62.5	62.5	62.5	62.5	62.5
NLM SE	88	437	R	88	43	43	43	43	43	56	49.na	49.na	49.na	49.na	49.na	63.6
NLM OG SE	20	na	R/D	20	19	19	19	19	19	19	93.3	93.3	93.3	93.3	93.3	93.3
NME SE	30	81	E	30	19	19	19	19	19	19	63.1	63.1	63.1	63.1	63.1	63.1
NME OG SE	4	na	R/D	4	4	4	4	4	4	4	100.na	100.na	100.na	100.na	100.na	100.na
NNP SE	12	47	E	12	9	9	9	9	9	9	78.7	79.na	79.na	79.na	79.na	79.na
NNP OG SE	2	na	R/D	2	2	2	2	2	2	2	99.5	99.9	99.9	99.9	99.9	99.9
RMS SE	3	3	R	3	1	1	1	1	1	1	26.6	26.6	26.6	26.6	26.6	26.6
RMS OG SE	3	na	R/D	3	1	1	1	1	1	1	26.6	26.6	26.6	26.6	26.6	26.6
RMT SE	618	693	R	618	543	570	570	570	570	575	87.9	92.3	92.3	92.3	92.3	93.na
RMT OG SE	366	na	R/D	366	333	336	336	336	336	340	90.8	91.6	91.6	91.6	91.6	92.8
WBR SE	102	160	R	102	40	40	40	40	40	40	39.1	39.1	39.1	39.1	39.1	39.1
WBR OG SE	44	na	R/D	44	33	33	33	33	33	33	73.1	73.2	73.2	73.2	73.2	73.2
WDU SE	19,909	21,345	p(C)	5,218	8,486	9,161	9,161	9,161	9,161	11,978	162.6	175.6	175.6	175.6	175.6	229.6
WDU OG SE	8,697	na	p(OG)	5,218	5,618	6,004	6,004	6,004	6,004	6,874	107.7	115.1	115.1	115.1	115.1	131.7
WOU SE	30,606	35,137	p(C)	5,271	12,583	14,488	14,488	14,488	14,488	16,321	238.7	274.9	274.9	274.9	274.9	309.7
WOU OG SE	8,130	na	p(OG)	4,878	6,175	6,944	6,944	6,944	6,944	7,014	126.6	142.3	142.3	142.3	142.3	143.8
WRE SE	5,479	6,018	p(C)	1,000	1,287	1,558	1,558	1,558	1,558	1,944	128.7	155.8	155.8	155.8	155.8	194.4
WRE OG SE	691	na	R/D	691	457	536	536	536	536	578	66.1	77.6	77.6	77.6	77.6	83.5
WVI SE	190	714	E	190	127	127	127	127	127	127	66.7	66.7	66.7	66.7	66.7	66.7
WVI OG SE	89	na	R/D	89	69	69	69	69	69	69	77.na	77.na	77.na	77.na	77.na	77.na

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, Southern Ranges bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DAC SR	130	238	R	130	79	79	79	79	79	79	60.8	60.8	60.8	60.8	60.8	60.8
DAC OG SR	6	na	R/D	6	3	3	3	3	3	3	47.7	47.7	47.7	47.7	47.7	47.7
DAD SR	2,764	4,750	p(C)	1,000	1,188	1,247	1,247	1,254	1,254	1,254	118.8	124.7	124.7	125.4	125.4	125.4
DAD OG SR	612	na	R/D	612	525	573	573	573	573	573	85.8	93.6	93.6	93.6	93.6	93.6
DAM SR	321	430	R	321	79	96	96	96	96	96	24.5	29.8	29.8	29.8	29.8	29.8
DAM OG SR	72	na	R/D	72	47	55	55	55	55	55	65.1	76.1	76.1	76.1	76.1	76.1
DAS SR	792	1,128	R	792	91	91	91	91	91	91	11.5	11.5	11.5	11.5	11.5	11.5
DAS OG SR	63	na	R/D	63	47	47	47	47	47	47	75.7	75.7	75.7	75.7	75.7	75.7
DCO SR	21,765	21,960	p(C)	3,776	21,039	21,458	21,496	21,633	21,666	21,667	557.2	568.3	569.3	572.9	573.8	573.8
DCO OG SR	6,293	na	p(OG)	3,776	6,143	6,245	6,249	6,292	6,293	6,293	162.7	165.4	165.5	166.6	166.7	166.7
DDE SR	42,460	47,362	p(C)	7,104	15,831	17,416	17,440	19,901	23,083	23,312	222.8	245.1	245.5	280.1	324.9	328.1
DDE OG SR	10,448	na	p(OG)	6,269	5,695	6,254	6,271	7,214	8,450	8,480	90.8	99.8	100.na	115.1	134.8	135.3
DGL SR	721	1,106	R	721	90	90	90	90	90	119	12.5	12.5	12.5	12.5	12.5	16.5
DGL OG SR	21	na	R/D	21	9	9	9	9	9	9	42.5	42.5	42.5	42.5	42.5	42.5
DNI SR	9,398	9,486	p(C)	1,724	8,334	8,825	8,918	9,218	9,219	9,219	483.5	511.9	517.3	534.7	534.8	534.8
DNI OG SR	2,873	na	p(OG)	1,724	2,719	2,834	2,853	2,860	2,860	2,860	157.7	164.4	165.5	165.9	165.9	165.9
DOB SR	37,898	66,641	p(C)	9,996	11,496	12,366	12,642	13,468	13,531	13,827	115.na	123.7	126.5	134.7	135.4	138.3
DOB OG SR	6,085	na	p(OG)	3,651	3,699	3,754	3,910	3,971	3,983	4,037	101.3	102.8	107.1	108.8	109.1	110.6
DOV SR	1,699	6,482	E	1,699	388	388	388	388	388	388	22.9	22.9	22.9	22.9	22.9	22.9
DOV OG SR	73	na	R/D	73	53	53	53	53	53	53	73.na	73.na	73.na	73.na	73.na	73.na
DPD SR	15,085	15,112	p(C)	2,267	6,437	6,685	6,685	6,835	7,670	7,670	284.na	294.9	294.9	301.5	338.3	338.3
DPD OG SR	3,112	na	p(OG)	1,867	2,355	2,527	2,527	2,597	2,873	2,873	126.1	135.3	135.3	139.1	153.8	153.8
DPO SR	612	1,720	R	612	33	33	33	33	33	33	5.5	5.5	5.5	5.5	5.5	5.5

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DPO OG SR	na	na	R/D	na	na	na	na	na	na	na	100.na	100.na	100.na	100.na	100.na	100.na
DPU SR	8,257	12,063	p(C)	1,809	1,526	1,659	1,659	1,659	1,659	1,683	84.3	91.7	91.7	91.7	91.7	93.na
DPU OG SR	284	na	R/D	284	102	102	102	102	102	102	35.8	35.8	35.8	35.8	35.8	35.8
DRO SR	2,004	2,067	p(C)	1,000	760	760	760	766	809	809	76.na	76.na	76.na	76.6	80.9	80.9
DRO OG SR	122	na	R/D	122	85	85	85	86	96	96	69.6	69.6	69.6	70.5	78.8	78.8
DTD SR	389	709	R	389	129	129	129	129	129	129	33.na	33.na	33.na	33.na	33.na	33.na
DTD OG SR	8	na	R/D	8	8	8	8	8	8	8	98.8	98.8	98.8	98.8	98.8	98.8
DTO SR	312	312	R	312	46	46	46	46	46	46	14.7	14.7	14.7	14.7	14.7	14.7
DTO OG SR	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DVC SR	3	37	E	3	3	3	3	3	3	3	83.6	83.6	83.6	83.6	83.6	83.6
DVC OG SR	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
DVG SR	170	2,233	E	170	58	58	58	58	58	58	34.na	34.na	34.na	34.na	34.na	34.na
DVG OG SR	27	na	R/D	27	10	10	10	10	10	10	37.8	37.8	37.8	37.8	37.8	37.8
NAD SR	4,671	5,060	p(C)	1,000	1,007	1,047	1,063	1,100	1,169	1,274	100.7	104.7	106.3	110.na	116.9	127.4
NAD OG SR	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAF SR	4	4	R	4	na	1	1	1	1	1	na.na	29.na	29.na	29.na	29.na	29.na
NAF OG SR	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAR SR	47	47	R	47	43	44	44	44	44	44	91.5	93.na	93.na	93.na	93.na	93.3
NAR OG SR	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAV SR	91	123	R	91	26	26	26	32	32	32	28.9	28.9	28.9	35.7	35.7	35.7
NAV OG SR	16	na	R/D	16	1	1	1	1	1	1	4.3	4.3	4.3	5.8	5.8	5.8
NLM SR	766	766	R	766	442	443	500	572	599	647	57.7	57.9	65.3	74.7	78.2	84.4
NLM OG SR	101	na	R/D	101	79	79	96	97	97	97	78.na	78.na	94.3	95.1	95.2	95.3
NNP SR	2	2	E	2	1	1	1	1	1	1	42.4	42.4	42.4	42.4	42.4	42.4
NNP OG SR	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
RHP SR	119	119	R	119	116	116	117	117	117	117	98.na	98.na	98.3	98.3	98.3	98.3
RHP OG SR	29	na	R/D	29	28	28	29	29	29	29	98.2	98.2	99.2	99.4	99.4	99.4

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
RKF SR	100	100	R	100	100	100	100	100	100	100	100.na	100.na	100.na	100.na	100.na	100.na
RKF OG SR	7	na	R/D	7	7	7	7	7	7	7	100.na	100.na	100.na	100.na	100.na	100.na
RKP SR	3,182	3,182	V	1,909	3,182	9,743	9,743	9,743	9,743	9,743	166.7	510.3	510.3	510.3	510.3	510.3
RKP OG SR	1,525	na	p(OG)	1,000	1,525	2,466	2,466	2,466	2,466	2,466	152.5	246.6	246.6	246.6	246.6	246.6
RMS SR	19,981	20,354	p(C)	7,952	15,403	16,138	17,305	18,271	18,584	18,675	193.7	203.na	217.6	229.8	233.7	234.9
RMS OG SR	13,253	na	p(OG)	7,952	10,419	10,954	11,963	12,511	12,706	12,750	131.na	137.8	150.5	157.3	159.8	160.4
RMT SR	45,891	46,129	p(C)	22,107	42,644	43,874	44,664	44,946	45,156	45,237	192.9	198.5	202.na	203.3	204.3	204.6
RMT OG SR	36,844	na	p(OG)	22,107	34,459	35,449	36,138	36,351	36,481	36,523	155.9	160.4	163.5	164.4	165.na	165.2
RPF SR	34	34	R	34	34	34	34	34	34	34	100.na	100.na	100.na	100.na	100.na	100.na
RPF OG SR	2	na	R/D	2	2	2	2	2	2	2	100.na	100.na	100.na	100.na	100.na	100.na
RPP SR	104	104	R	104	104	619	619	619	619	619	100.na	596.4	596.4	596.4	596.4	596.4
RPP OG SR	19	na	R/D	19	19	99	99	99	99	99	100.na	514.3	514.3	514.3	514.3	514.3
WDU SR	94,639	102,732	p(C)	24,707	44,178	49,126	51,582	55,855	60,779	67,299	178.8	198.8	208.8	226.1	246.na	272.4
WDU OG SR	41,179	na	p(OG)	24,707	28,113	30,616	32,619	35,494	37,401	38,065	113.8	123.9	132.na	143.7	151.4	154.1
WNU SR	25,807	25,817	p(C)	6,758	24,167	24,334	24,644	25,149	25,158	25,188	357.6	360.1	364.7	372.1	372.3	372.7
WNU OG SR	11,264	na	p(OG)	6,758	10,905	11,003	11,133	11,259	11,260	11,260	161.4	162.8	164.7	166.6	166.6	166.6
WOU SR	142,032	174,009	p(C)	26,101	49,695	54,122	58,487	68,037	70,217	75,778	190.4	207.4	224.1	260.7	269.	290.3

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
															na	
WOU OG SR	30,681	na	p(OG)	18,409	21,819	23,011	25,909	27,059	27,290	27,589	118.5	125.na	140.7	147.na	148.2	149.9
WRE SR	42,891	47,962	p(C)	7,194	10,997	11,834	12,547	14,388	16,071	18,095	152.9	164.5	174.4	200.na	223.4	251.5
WRE OG SR	7,367	na	p(OG)	4,420	4,900	5,137	5,630	5,923	6,089	6,189	110.9	116.2	127.4	134.na	137.7	140.na
WSU SR	9,854	10,178	p(C)	2,888	8,147	8,658	9,282	9,668	9,727	9,783	282.1	299.8	321.4	334.8	336.8	338.8
WSU OG SR	4,813	na	p(OG)	2,888	3,967	4,093	4,646	4,768	4,785	4,787	137.3	141.7	160.9	165.1	165.7	165.8
WVI SR	109	314	E	109	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
WVI OG SR	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

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Cumulative change in reservation of forest ecosystems and old growth of IGA scenarios, West bioregion

Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
DCO WSW	1,184	1,184	p	1,000	1,184	1,184	1,184	1,184	1,184	1,184	118.4	118.4	118.4	118.4	118.4	118.4
DCO OG WSW	195	na	R/D	195	195	195	195	195	195	195	100.na	100.na	100.na	100.na	100.na	100.na
DDE WSW	1,508	1,891	p(C)	1,000	1,256	1,343	1,374	1,380	1,409	1,409	125.6	134.3	137.4	138.na	140.9	140.9
DDE OG WSW	820	na	R/D	820	699	706	735	737	760	760	85.2	86.1	89.6	89.9	92.8	92.8
DNI WSW	23,130	30,146	p(C)	6,459	18,381	19,888	21,076	21,449	21,566	21,566	284.6	307.9	326.3	332.1	333.9	333.9
DNI OG WSW	10,764	na	p(OG)	6,459	9,298	9,947	10,388	10,470	10,490	10,490	144.na	154.na	160.8	162.1	162.4	162.4
DOB WSW	10,763	11,658	p(C)	4,174	7,410	8,714	8,984	9,590	9,812	9,813	177.5	208.8	215.2	229.7	235.1	235.1
DOB OG WSW	6,957	na	p(OG)	4,174	5,616	6,144	6,288	6,393	6,483	6,484	134.5	147.2	150.7	153.2	155.3	155.3
DOV WSW	539	539	E	539	508	508	508	508	508	508	94.3	94.3	94.3	94.3	94.3	94.3
DOV OG WSW	217	na	R/D	217	217	217	217	217	217	217	100.na	100.na	100.na	100.na	100.na	100.na
DTO WSW	293	293	R	293	293	293	293	293	293	293	100.na	100.na	100.na	100.na	100.na	100.na
DTO OG WSW	152	na	R/D	152	152	152	152	152	152	152	100.na	100.na	100.na	100.na	100.na	100.na
DVC WSW	52	52	R	52	37	37	37	37	37	37	72.6	72.6	72.6	72.6	72.6	72.6
DVC OG WSW	13	na	R/D	13	na	na	na	na	na	na	na.na	na.na	na.na	na.na	na.na	na.na
NAD WSW	883	898	p(C)	883	537	611	627	631	632	632	60.8	69.2	71.1	71.5	71.6	71.6
NAD OG WSW	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAF WSW	1,058	1,367	p(C)	1,000	541	558	660	660	660	660	54.1	55.8	66.na	66.na	66.na	66.na
NAF OG WSW	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
NAR WSW	6,512	6,613	p(C)	1,000	4,481	4,492	4,924	4,925	4,949	4,949	448.1	449.2	492.4	492.5	494.9	494.9
NAR OG WSW	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
NLM WSW	6,879	7,886	p(C)	1,212	6,084	6,127	6,683	6,683	6,840	6,840	501.9	505.5	551.4	551.4	564.3	564.3
NLM OG WSW	2,020	na	p(OG)	1,212	1,912	1,912	1,981	1,981	2,000	2,000	157.7	157.8	163.5	163.5	165.na	165.na
NME WSW	193	193	E	193	136	146	152	152	152	152	70.7	75.5	78.8	78.8	78.8	78.8
NME OG WSW	48	na	R/D	48	38	38	38	38	38	38	79.9	79.9	79.9	79.9	79.9	79.9
NNP WSW	21	21	E	21	17	17	17	17	17	17	82.5	82.5	82.5	82.5	82.5	82.5
NNP OG WSW	17	na	R/D	17	16	16	16	16	16	16	97.6	97.6	97.6	97.6	97.6	97.6
RHP WSW	13,607	13,607	p(C)	4,562	11,863	11,884	12,570	12,573	12,579	12,579	260.1	260.5	275.5	275.6	275.8	275.8
RHP OG WSW	7,603	na	p(OG)	4,562	7,311	7,313	7,572	7,572	7,577	7,577	160.3	160.3	166.na	166.na	166.1	166.1
RKF WSW	21	21	R	21	21	21	21	21	21	21	100.na	100.na	100.na	100.na	100.na	100.na
RKF OG WSW	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
RKP WSW	5,224	5,224	V	3,134	4,222	9,480	9,907	9,907	9,907	9,907	134.7	302.5	316.1	316.1	316.1	316.1
RKP OG WSW	1,752	na	p(OG)	1,051	1,705	2,002	2,025	2,025	2,025	2,025	162.2	190.4	192.6	192.6	192.6	192.6
RMS WSW	130,605	142,042	p(C)	56,418	109,532	112,199	121,623	122,662	123,232	123,246	194.1	198.9	215.6	217.4	218.4	218.5
RMS OG WSW	94,030	na	p(OG)	56,418	85,101	86,135	90,649	91,202	91,633	91,638	150.8	152.7	160.7	161.7	162.4	162.4
RMT WSW	266,786	267,418	p(C)	122,083	248,394	249,680	261,443	262,232	262,628	262,628	203.5	204.5	214.2	214.8	215.1	215.1
RMT OG WSW	203,472	na	p(OG)	122,083	189,931	190,656	200,016	200,604	200,943	200,943	155.6	156.2	163.8	164.3	164.6	164.6
WBR WSW	296	296	R	296	259	259	259	259	259	259	87.7	87.7	87.7	87.7	87.7	87.7
WBR OG WSW	178	na	R/D	178	176	176	176	176	176	176	99.1	99.1	99.1	99.1	99.1	99.1
WDU WSW	17,847	19,419	p(C)	7,591	15,510	16,196	16,800	16,872	16,999	16,999	204.3	213.4	221.3	222.3	223.9	223.9
WDU OG WSW	12,651	na	p(OG)	7,591	11,846	12,041	12,334	12,373	12,381	12,381	156.1	158.6	162.5	163.na	163.1	163.1
WNU WSW	189,956	199,491	p(C)	45,410	177,195	182,015	183,787	184,051	184,417	184,419	390.2	400.8	404.7	405.3	406.1	406.1
WNU OG WSW	75,683	na	p(OG)	45,410	74,468	74,817	75,221	75,270	75,282	75,282	164.na	164.8	165.7	165.8	165.8	165.8
WOU WSW	53,334	54,817	p(C)	16,518	33,943	37,523	41,860	45,977	47,191	47,191	205.5	227.2	253.4	278.3	285.7	285.7
WOU OG WSW	27,530	na	p(OG)	16,518	22,297	23,182	25,629	26,057	26,107	26,107	135.	140.3	155.2	157.7	158.	158.na

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Veg. code	Extent (ha)	Pre-1750 (ha)	JANIS cat.	Target (ha)	Current reserves (ha)	EAI (ha)	STZ (ha)	WHA1 (ha)	WHA2 (ha)	ENGO (ha)	Current (%)	EAI (%)	STZ (%)	WHA1 (%)	WHA2 (%)	ENGO (%)
											na				na	
WRE WSW	782	792	R	782	688	750	766	766	766	766	88.na	95.9	98.na	98.na	98.na	98.na
WRE OG WSW	550	na	R/D	550	522	544	549	549	549	549	95.1	98.9	99.9	99.9	99.9	99.9
WSU WSW	835	835	R	835	835	835	835	835	835	835	100.na	100.na	100.na	100.na	100.na	100.na
WSU OG WSW	246	na	R/D	246	246	246	246	246	246	246	100.na	100.na	100.na	100.na	100.na	100.na
WVI WSW	11	11	E	11	na	na	na	na	na	na	4.2	4.1	4.1	4.1	4.1	4.1
WVI OG WSW	na	na	na		na	na	na	na	na	na	na	na	na	na	na	na

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