

# Land Use Tasmania Summer 09/10

## Technical Report

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### ABSTRACT

A technical report outlining the process to create the Final Tasmanian Summer 2009/2010 Land Use Spatial Layer.

#### UPDATE PROCESSES TO CREATE A FINAL LAND USE SPATIAL LAYER

This report should be read in conjunction with the report by Mark Brown – “A technical report outlining the creation of the Draft Tasmanian Summer 2009-10 Land Use Spatial Layer”. The Tasmanian Department of Primary Industries, Parks, Water and Environment (DPIPWE) undertook completion of the Summer 2009/10 Land Use layer from draft to final. This report outlines the steps taken to formally complete the update process.

The following updates were completed by Bronwyn Tilyard, GIS Project Officer LCB, on the draft Land Use layer to create the final spatial layer and metadata documents to be sent to Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES).

- Implement changes/ additions documented on 1:50 000 paper maps compiled from NRM workshops.
- Update Conservation and Natural Environments attributes with the Tasmanian Reserve Estate Layer.
- Attribute areas with Production forestry (ACLUM 2.2.0) where tenure is State Forest with no formal or informal reserves.
- Update layer with new water bodies supplied to the LIST by Geoscience Australia where there wasn't an existing water body.
- Update layer to correct data structure as required by ABARES and attribute codes as required by the Australian Collaborative Land Use and Management Program (ACLUMP).
- Create metadata for the Tasmanian Spatial Data Directory and NRM Data Library Portal and upload geodatabase, shapefile and reports to NRM Data Library Portal.

- Complete list of land use classes and their area in hectares & % of total. (Note: - This table supercedes a table with the same heading in the previously mentioned draft report.)

Land Use Code	Land Use Description	Area in hectares	% of total Area
1.1.1	Strict nature reserves	26831	0.390%
1.1.3	National park	1438984	20.930%
1.1.4	Natural feature protection	29137	0.424%
1.1.5	Habitat/species management area	236978	3.447%
1.1.6	Protected landscape	92099	1.340%
1.1.7	Other conserved area	360892	5.249%
1.2.0	Managed resource protection	650403	9.460%
1.2.5	Traditional indigenous uses	44436	0.646%
1.3.0	Other minimal use	36336	0.528%
1.3.1	Defence land-natural areas	1818	0.026%
1.3.2	Stock route	35	0.001%
1.3.3	Residual native cover	1020145	14.838%
2.1.0	Grazing native vegetation	236541	3.440%
2.2.0	Production forestry	864031	12.567%
3.1.0	Plantation forestry	1281	0.019%
3.1.1	Hardwood plantation	244590	3.558%
3.1.2	Softwood plantation	77832	1.132%
3.2.0	Grazing modified pastures	775449	11.279%
3.2.1	Native/exotic pasture mosaic	104460	1.519%
3.2.2	Woody fodder plants	21	0.000%
3.2.3	Pasture legumes	25	0.000%
3.2.4	Pasture legume/grass mixtures	389	0.006%
3.2.5	Sown grasses	362	0.005%
3.3.0	Cropping	14091	0.205%
3.3.3	Hay and silage	228	0.003%
3.3.7	Alkaloid poppies	3	0.000%

3.5.4	Seasonal vegetables and herbs	69	0.001%
3.6.0	Land in transition	7972	0.116%
3.6.1	Degraded land	10497	0.153%
4.2.0	Grazing irrigated modified pastures	5542	0.081%
4.2.1	Irrigated woody fodder plants	268	0.004%
4.2.2	Irrigated pasture legumes	21	0.000%
4.2.4	Irrigated sown grasses	600	0.009%
4.3.0	Irrigated cropping	88403	1.286%
4.3.1	Irrigated cereals	112	0.002%
4.3.3	Irrigated hay and silage	14	0.000%
4.3.4	Irrigated oil seeds	74	0.001%
4.3.7	Irrigated alkaloid poppies	1473	0.021%
4.4.0	Irrigated perennial horticulture	4759	0.069%
4.4.1	Irrigated tree fruits	109	0.002%
4.4.4	Irrigated vine fruits	10	0.000%
4.4.5	Irrigated shrub nut, fruits and berries	367	0.005%
4.4.6	Irrigated perennial flowers and bulbs	149	0.002%
4.4.9	Irrigated grapes	1379	0.020%
4.5.0	Irrigated seasonal horticulture	5	0.000%
4.5.4	Irrigated seasonal vegetables and herbs	68	0.001%
5.1.0	Intensive horticulture	17	0.000%
5.1.2	Glasshouses	20	0.000%
5.1.3	Glasshouses (hydroponic)	2	0.000%
5.2.0	Intensive animal husbandry	16	0.000%
5.2.1	Dairy sheds and yards	70276	1.022%
5.2.2	Cattle feedlots	148	0.002%
5.2.4	Poultry farms	9	0.000%
5.2.6	Aquaculture	13	0.000%
5.2.7	Horse studs	428	0.006%

5.2.8	Stockyards/saleyards	106	0.002%
5.3.0	Manufacturing and industrial	211	0.003%
5.3.2	Food processing factory	35	0.001%
5.3.3	Major industrial complex	428	0.006%
5.3.5	Abattoirs	6	0.000%
5.3.7	Sawmill	210	0.003%
5.4.1	Urban residential	39136	0.569%
5.4.2	Rural residential with agriculture	1268	0.018%
5.4.3	Rural residential without agriculture	96899	1.409%
5.4.4	Remote communities	1163	0.017%
5.4.5	Farm buildings/infrastructure	219	0.003%
5.5.0	Services	195	0.003%
5.5.1	Commercial services	569	0.008%
5.5.2	Public services	307	0.004%
5.5.3	Recreation and culture	5818	0.085%
5.5.5	Research facilities	350	0.005%
5.6.0	Utilities	116	0.002%
5.6.2	Hydro-electricity generation	27	0.000%
5.6.3	Wind farm electricity generation	312	0.005%
5.6.4	Electricity substations and transmission	983	0.014%
5.6.6	Water extraction and transmission	1	0.000%
5.7.0	Transport and communication	44	0.001%
5.7.1	Airports/aerodromes	1721	0.025%
5.7.2	Roads	33065	0.481%
5.7.3	Railways	2340	0.034%
5.7.4	Ports and water transport	32	0.000%
5.7.5	Navigation and communication	0	0.000%
5.8.0	Mining	3773	0.055%
5.8.1	Mines	15	0.000%

5.8.2	Quarries	235	0.003%
5.8.3	Tailings	53	0.001%
5.8.4	Extractive industry not in use	19	0.000%
5.9.0	Waste treatment and disposal	136	0.002%
5.9.3	Solid garbage	16	0.000%
5.9.5	Sewage/sewerage	39	0.001%
6.1.0	Lake	64266	0.935%
6.1.1	Lake-conservation	65116	0.947%
6.2.0	Reservoir or dam	7666	0.112%
6.2.1	Reservoir	83	0.001%
6.2.2	Water storage-intensive use/farm dams	684	0.010%
6.3.0	River	5825	0.085%
6.3.1	River-conservation	1021	0.015%
6.4.0	Channel/aqueduct	178	0.003%
6.5.0	Marsh/wetland	9722	0.141%
6.5.1	Marsh/wetland-conservation	507	0.007%
6.5.4	Marsh/wetland-saline	3935	0.057%
6.6.0	Estuary/coastal waters	6633	0.096%
6.6.1	Estuary/coastal waters-conservation	69551	1.012%