

**CO2 emissions associated with native forest logging in south east
NSW and eastern Victoria.**

Carbon Source	Measure	CO2 Equivalent (tonnes)
1. Woodchips	1,000,000 tonnes	1,835,500
2. Logging waste	1,000,000 tonnes	1,835,500
3. Post logging burn	30,000 tonnes	110,100
4. Freight (trucks)	1,428,560 kilometres	8,679
5. Prescribed burning	1,500,000 tonnes	2,752,500
6. Soil carbon	437,500 tonnes	1,605,625
7. Total - CO2 (tonnes)		8,147,904

1. Maximum volume of woodchips exported from Eden over 12 months representing 50% of biomass from trees cut. Assumes 50% of biomass is carbon and paper made from the chips is burned. In reality this paper may be burned, recycled or buried in land-fill, creating methane. Does not account for CO2 associated with overseas shipping, logging or processing.
2. Volume of logging trash (heads, butts, branches) representing 50% of biomass cut and left on forest floor to be incinerated during post logging burn.
3. Average volume of biomass burned along with logging trash assuming 30 tonnes per ha. over logged area of 10,000 ha.
4. Truck fuel usage based on 35,714 truck movements with a 28 tonne load over a 40km round trip using 1.5 litres per klm of diesel producing 4.05kg of CO2 per klm. Does not include fuel use in sawlog or pulplog processing or forest management.
5. Same volume per hectare as post logging burn without logging waste and burning of 50,000 ha across tenures.
6. Based on conservative 50% loss of average total soil (A Horizon) carbon (35 tonnes per ha) from burning and erosion over 10,000 ha and 25% for prescribed burning over 50,000 ha per annum.
7. CO2 based on multiplying carbon volume by 3.67. Total CO2 represents 1.47% or one 68th of Australia's total emissions of 553 million tonnes of CO2.

March - 2010