

Curtis NRA[®] Australia

Valuing & Internalising the Negative Externalities of Land-Use Change

ABN 68 364 350 351

Curtis NRA[®] Australia is an environmental consultancy specialising in investigating and quantifying in pecuniary terms, the environmental impact of human activities on landscapes, catchments and ecosystems down to the individual property scale.

Several proprietary models have been developed to facilitate and expedite this work, enabling pecuniary valuations of ecosystem goods and services provided by protected areas, as well as on private landholdings to be carried out in a commercial timeframe. Multipliers can be determined for impact mitigation across bioregional and local government boundaries in order to deliver a no net loss outcome. Green offsets for unavoidable impacts and trading in environmental benefits, are facilitated by 'biodiversity banking'.

Significant Recent Work (from most recent):

- Current: Assessing the ecological and economic impact of a large unauthorised logging operation in Papua New Guinea on behalf of the customary landholders represented by CELCOR.
- Regional Manager, North Queensland, for SMEC Australia Pty Limited (Snowy Mountain Engineering Corporation). Diverse range of environmental work. (2007 – 2008).
- Service provider consortium member to deliver the market-based incentive component of the Australian Government's Tasmanian Forest Conservation Fund. Target 45600 hectares of under-represented forest including 25000 ha of old growth. Consortium with KPMG, SEMF and Corporate Communications. (2006 – 2008)
- Consultant to the Nature Conservation Trust of NSW to operate the revolving fund (for conservation outcomes), and as an advisor on biodiversity banking. (2005 – 2007).
- Estimated the pecuniary loss in the value of ecosystem services owing to unauthorised logging of an endangered regional ecosystem at Tarzali on the Atherton Tablelands (October 2005)
- Advised on the status and ecological integrity of several landholdings in the North-West growth centre of Sydney (Kellyville) under DIPNR's Metrostrategy (August 2005)

- Developed a database of 'reference values' for ecosystem and biodiversity valuations in Australia and worldwide for comparison and possible 'benefit transfer' (July 2005)
- Valued the loss or modification of ecosystem services due to the clearing of a transmission line corridor through Allies Creek State Forest, Southern Inland Burnett region (2004)
- Valued ecosystem services in the South East Queensland bioregion by tenure category (2004)
- Valued ecosystem services provided by private landholders in Brisbane City (2004)
- Assessed and proposed a package of financial incentives for rewarding private stewardship and protecting biodiversity on private land in Brisbane City, including mechanisms for delivery (2004)
- Proposed impact mitigation multipliers across local government and bioregional borders in the South East Queensland bioregion (2004)
- Valued ecosystem goods and services in the Wet Tropics Bioregion overall, and by tenure category (2003)
- Proposed impact mitigation multipliers across local government and bioregional borders in the Wet Tropics (2003)
- Designed and facilitated a web-based philosophical inquiry (using the Delphi technique) and multiple-criteria analysis of the relative importance rankings of the suite of 20 commonly accepted ecosystem goods and services (2002)
- Developed a set of socio-economic indicators to show 'how the Wet Tropics World Heritage Area functions in the life of the community' (2001)

Contact details:

***Ian A Curtis BSc Hons PhD
Land & Ecological Economist, Environmental Scientist***

***Curtis NRA home office
PO Box 245 Leichhardt, NSW 2040
Mobile: 0429 469081
Email: ian@curtisnra.com.au***