

Project Closure SP 2006-002

Monitoring stream biodiversity (KPI 20 of the Forest Management Plan)

Wetlands Conservation

Project Core Team

Supervising Scientist

Melita Pennifold

Data Custodian

Site Custodian

Project status as of June 29, 2016, 11:46 a.m.

Closure pending approval of closure form

Document endorsements and approvals as of June 29, 2016, 11:46 a.m.

Project Team

granted

Program Leader

granted

Directorate

required

Monitoring stream biodiversity (KPI 20 of the Forest Management Plan)

Key publications and documents

Smith, B. and S. Halse (2005). Forest Stream Biodiversity Monitoring 2005: Investigating Forest Management Plan Key Performance Indicator 20, Department of Environment and Conservation: 51.

Smith, B. and S. Halse (2006). South-West Forest Biodiversity Monitoring, Key Performance Indicator 20: Year 1 Summary Report, Department of Environment and Conservation: 15.

Smith, B., Halse, S., and Pinder, A. (2007) South-West Forest Biodiversity Monitoring, Key Performance Indicator 20: Year 2 Summary Report. p. 21, Department of Environment and Conservation

Penniford, M. G. and A. Pinder (2011). South-West Forest Stream Biodiversity Monitoring. Forest Management Plan 2004-2013: Key Performance Indicator 20. Interim Report., Department of Environment and Conservation.

Penniford, M. G. (2013). Ecological condition of streams in the south-west forests. Department of Environment and Conservation. Science Division Information Sheet 63/2013.

Penniford, M. G. (2013). Saving Streams of the south-west forests. *Landscape*, 29:1 p 49-51.

Penniford M.G., Williams K.J., Pinder A., Harwood T.D., Manion G. & Ferrier S. (in prep) Whole-of-landscape modelling of compositional turnover in aquatic invertebrates informs conservation gap analysis: an example from south-western Australia. *Freshwater Biology*.

Knowledge Transfer

Publications making substantial use of project data

Harrison, E., S. Nichols, et al. (2011). AUSRIVAS- Australia's in-stream biological health 2003-2010. Report prepared for the Australian Government Department of Sustainability, Water, Population and Communities on behalf of the State of the Environment 2011 Committee., Canberra. DSEWPaC, 2011.

Chapman, T. F. and L. McCaw. (2011). Forest biodiversity Survey and Reservation Gap Analysis. Department of Environment and Conservation.

Conservation Commission of Western Australia (2012). Forest Management Plan 2004-2013 End-of-term audit of performance report.

Conferences/presentations:

Pinder, A. and Sutcliffe, K. (2007) Sout-west forest stream monitoring. Fire Management Serices presentation.

Penniford, M. (2009). South-west forest aquatic invertebrates. Forest Fauna Workshop, Department of Environment and Conservation, Perth.

Penniford, M. (2009) Wetland Invertebrates. WA Wetland Management Conference, Perth.

Penniford, M. (2009) Aquatic Macroinvertebrates. Ribbons of Blue Teacher Development workshops. Department of Water, Mandurah and Herdsman Wildlife Centre, Perth.

Penniford, M. (2011) Aquatic Macroinvertebrates. Ribbons of Blue NRM Education Program, Canning River Eco Education Centre, Perth.

Project data provided for following workshops:

- Forest Fauna Workshop 2009
- Biological Survey Gap Analysis – south-west WA Forest Management Area. 2010
- South Coast Wetland working Group workshop. 2010
- NCCARF freshwater biodiversity project WA 2011
- Biodiversity Audit II 2013
- Reveiw of key performance indicators for Ecosystem health and vitality and biodiversity for the Forest Man-
agement Plan 2014 – 2023.

Dataset links

NatureMap <https://naturemap.dpaw.wa.gov.au/>

Wetland Conservation Program's Aquatic Invertebrate Database

Science Division Confluence <https://confluence.dpaw.wa.gov.au/display/sd/Forest+Stream+Biodiversity+Monitoring>

Parks and Wildlife Data Catalogue <http://internal-data.dpaw.wa.gov.au/dataset/forest-management-plan-stream-monitoring>

Hardcopy location

Publications are held in Parks and Wildlife Conservation Science Library, Kensington.

Backup location

None