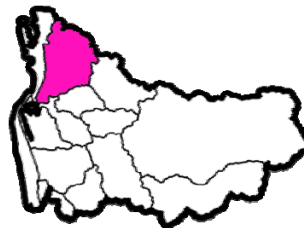


SERPENTINE (LOWER) SUB-CATCHMENT



KEY ASSETS

- Agricultural productivity of Pinjarra soil landscape zone (including foothills).
- Productive and potential horticultural (agriculture priority management) areas near Jarrahdale and within foothills
- Serpentine National Park (4367 ha)
- Lowlands and Riverlea Bushland
- Barragup Swamp – wetland of national significance
- Other wetlands of regional significance
- Jandakot, Darling Range and Beeliar Regional Parks
- Karnup-Dandalup UWPCA and part of Jandakot UWPCA.
- Numerous ‘Bush Forever’ sites
- Scattered occurrence of priority flora and fauna and threatened ecological communities.
- Community groups including Serpentine Jarrahdale and Dandalup Murray LCDCs and associated support bodies.

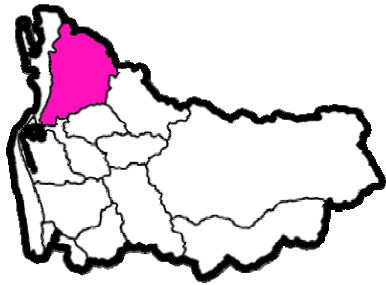
ISSUES

- Continuing algal blooms in the lower reaches of the Serpentine River
- Rapid transport of nutrients within artificial drainage network on coastal plain.
- Protection of groundwater resources within UWPCAs from land use impacts
- Loss and degradation of Swan Coastal Plain wetlands

- Adequacy of river flows to sustain riverine ecology
- Potential for exposure of acid sulfate soils particularly within areas of estuarine or lacustrine deposits (Vasse System), and subsequent effect on water quality and aquatic biodiversity.
- High risk of nutrient loss associated with horticulture on areas of Bassendean sands

PRIORITY PROJECT NEEDS

- Drainage Reform on coastal plain (changes to management and widespread modifications to drains to achieve water quality benefits)
- Reinvigoration of programs for use of soil amendments / conditioners
- Expansion of Rivercare program
- Extension of Peel-Harvey Biodiversity Project
- Peel-Harvey Green Corridors (linkages between biodiversity assets)
- Acid Sulfate Soils research
- Maintaining stream flows within first order streams
- Survey of nutrient impacts of peri-urban development
- Implementing existing foreshore management plans
- Assisting adoption of agricultural best management practices
- Establishing and monitoring condition of soil health on the coastal plain (including soil acidity, fertility, and salinity)
- Awareness raising and training for sustainable land management with small rural landholders.



SERPENTINE (LOWER) SUB-CATCHMENT

