

# NRINFO 2019 Release: WA Natural Resource Information Available Through Web Portal

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NRInfo (natural resource information) provides the user with access to digital mapping and information for natural resources across Western Australia. This information may be used for regional and strategic planning, and for identifying areas needing more intensive assessment.

The Department of Primary Industries and Regional Development (DPIRD) provides this information for all sectors of agriculture and other land uses, to promote sustainable resource management. NRInfo brings together more than forty (40) years of soil, landscape and hydrological mapping and associated reports into an easily navigable web portal. Users can turn on and off any layer they are interested in, to gain a better understanding of the landscape based on multiple data sources. The current information is routinely updated via the DPIRD's corporate databases, and made available through the <<https://data.wa.gov.au>> open data policy. The original reports are also available through the research library <<https://researchlibrary.agric.wa.gov.au>>, under the 'Land Resources Series' link. The mapping scale for our products varies between 1:50 000 and 1:250 000, depending on the landscape and purpose of the original survey. This broad landscape information provides land owners and developers with a great starting point for assessing their landscape or identifying potential areas for a variety of land uses. Because of the mapping scale, we always suggest that additional intensive on-ground validation is undertaken to confirm the existing mapping or identify the detailed nuances of soil, landform or water resources for any particular area. The soil-landscape mapping is comprised of hierarchical map unit polygons coded with proportional soil and landform allocations. This is to capture the huge complexity of Western Australia's soils and landscapes. The NRInfo web portal includes the most up-to-date mapping and data for Soil-landscapes, Pastoral Land Systems, Land Capability, Land Qualities and an assessment of survey confidence. Layers illustrating hydrological information are also available, such as natural drainage lines and surface water catchments, and Hydrozones for groundwater trend and salinity risk assessment. Many additional layers are available and provided from Landgate; Department of Planning, Lands and Heritage; Department of Mines, Industry Regulation and Safety; Department of Water and Environmental Regulation; Environmental Protection Authority; and Geoscience Australia.