

## Appendix II: Dataset Summary Information

### Last Update 31/7/98

**DATASET NAME:** Water Features from National Wilderness Inventory  
**METADATA FILENAME:** ahc\_water.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:50,000 to 1:250,000  
**SUMMARY:** Natural and human water features  
**KNOWN ERRORS:** Gaps in NT,QLD, and WA

**DATASET NAME:** NSW topographic and administrative data  
**METADATA FILENAME:** ancillary.doc  
**GEOGRAPHIC EXTENT:** NSW  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** Presume 1:250,000  
**SUMMARY:** Several coverages including roads, river, railways, nsw border, western division, Murray-Darling basin and towns.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** AUSTRALIAN DIGITAL ELEVATION MODEL  
**METADATA FILENAME:** anu\_dem.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** 100 to 1000m horizontal, 1-10m vertical  
**SUMMARY:** 1.5 Minute DEM  
**KNOWN ERRORS:** DEM error approach expected error in input data at low relief.

**DATASET NAME:** GEODATA 9 SECOND DEM (DEM-9S)  
**METADATA FILENAME:** auslig\_dem.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** 9 seconds of a degree  
**SUMMARY:** Derived from 250,000 spot heights, contours, and drainage using ANUDEM.

**KNOWN ERRORS:** Drainage is forced so true sinks may be missed.

**DATASET NAME:** Catchment boundaries for NSW

**METADATA FILENAME:** catchments.doc

**GEOGRAPHIC EXTENT:** NSW

**PROJECT HAS COPY:** Yes

**POSITIONAL ACCURACY:** Not Known

**SUMMARY:** Drainage basins of NSW

**KNOWN ERRORS:** Not Known

**DATASET NAME:** Lease Boundaries

**METADATA FILENAME:** dlwc\_lease.doc

**GEOGRAPHIC EXTENT:** Western Division

**PROJECT HAS COPY:** Yes

**POSITIONAL ACCURACY:** 1:250,000

**SUMMARY:** Property boundaries from land systems with lessee information used to define merged properties.

**KNOWN ERRORS:** Not Known

**DATASET NAME:** Property Boundaries

**METADATA FILENAME:** dlwc\_property.doc

**GEOGRAPHIC EXTENT:** Western Division

**PROJECT HAS COPY:** Yes

**POSITIONAL ACCURACY:** 1:250,000

**SUMMARY:** Property boundaries from land systems.

**KNOWN ERRORS:** Not Known

**DATASET NAME:** RAMS - Cropping and Clearing in the Western Division

**METADATA FILENAME:** dlwc\_rams.doc

**GEOGRAPHIC EXTENT:** Western Division

**PROJECT HAS COPY:** No

**POSITIONAL ACCURACY:** 1:100,000

**SUMMARY:** Cropping and clearing licenses since 1986 (older licenses are being updated).

**KNOWN ERRORS:** Data prior to 1986 may be missing.

**DATASET NAME:** Australian Conservation Reserves  
**METADATA FILENAME:** erin\_cons\_resv.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** Co-ordinates lists as 2 decimals of a degree.  
**SUMMARY:** Point locations and areas of conservation reserves.  
**KNOWN ERRORS:** Some listed reserves do not have coordinates.

**DATASET NAME:** Species Richness and Ranges - Eucalyptus, Land Birds and Butterflies  
**METADATA FILENAME:** erin\_euc\_birds\_butt.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** Original data accurate to about 10 km  
**SUMMARY:** Species richness for target groups within 1 degree cell.  
**KNOWN ERRORS:** Biases in butterfly data. Point sampling.

**DATASET NAME:** Species Distributions - Arid Grasses, Acacias, Callitris, Casuarina, Chenopods, Eucalypts (Eucalyptus, Corymbia and Angophora)  
**METADATA FILENAME:** erin\_flora\_mapper.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No. Not available as complete dataset. Obtained by single species enquiries.  
**POSITIONAL ACCURACY:** Variable  
**SUMMARY:** Modelled distributions based on herbaria collection records  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** Modelled Floral Species Abundance  
**METADATA FILENAME:** erin\_flora\_predict.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 5km  
**SUMMARY:** Predicted abundance of for major groups of plants (Eucalypts, Chenopods, Acacias, Grasses). Predictions based on BIOCLIM climatic envelope deduced from herbaria location records.  
**KNOWN ERRORS:** Distributions are exaggerated in area with low climatic variability.

**DATASET NAME:** Australian Public Lands and Protected Areas  
**METADATA FILENAME:** erin\_pub\_prot\_land.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** Points given to 2 decimal places of a degree  
**SUMMARY:** Point locations and areas of protected and public lands.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** National Forest Inventory Continental Database  
**METADATA FILENAME:** forest\_inventory.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** 1:100,000 (ACT) - 1:4,000,000 (NSW)  
**SUMMARY:** A database of forest resource attributes covering all land tenures for Australia and Territories. Forest is defined as woody vegetation in excess of 5 metres in height, with a projective foliage cover of >30%.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** Geology of Australia (1976) Digital Version - Lithology  
**METADATA FILENAME:** geology.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:2,500,000  
**SUMMARY:** Derived from 4 geology of Australia mapsheets.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** Interim Biogeographic Regionalisation of Australia  
**METADATA FILENAME:** ibra.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:250,000 - 1:3,000,000  
**SUMMARY:** The dataset is derived from data and information provided from State and Territory Nature Conservation agencies regionalisations and aggregated to 80 biogeographic regions for Australia.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** Land Systems of Western New South Wales  
**METADATA FILENAME:** land\_systems.doc  
**GEOGRAPHIC EXTENT:** Western Division  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:250,000  
**SUMMARY:** Land system and land unit descriptions for the Western Division of NSW. Land systems are spatially explicit. Land units within land systems given as proportions. Land systems described by total area, features. Land units described by block diagrams, landform, soil, erosion potential, vegetation.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** Land Systems of Western New South Wales (Pressey)  
**METADATA FILENAME:** land\_systems\_pressey.doc  
**GEOGRAPHIC EXTENT:** Western Division of NSW  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:250,000  
**SUMMARY:** Land system boundaries and names. From DLWC digital form with boundaries rechecked and clarified.  
**KNOWN ERRORS:** Not known.

**DATASET NAME:** Combined Land Systems of Western NSW (Pressey and DLWC)  
**METADATA FILENAME:** land\_systems\_sr21c.doc  
**GEOGRAPHIC EXTENT:** Western Division of NSW  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** n/a  
**SUMMARY:** Land system boundaries and names (Pressey and DLWC).  
**KNOWN ERRORS:** Not known.

**DATASET NAME:** Land Systems Vulnerability of Western New South Wales (Pressey)  
**METADATA FILENAME:** land\_systems\_vulnerability\_pressey.doc  
**GEOGRAPHIC EXTENT:** Western Division of NSW  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:250,000  
**SUMMARY:** Land system boundaries and names. Vulnerability scores based on Pressey. From DLWC digital form with boundaries rechecked and clarified.

**KNOWN ERRORS:** Not known.

**DATASET NAME:** Land Unit Vulnerability of Western New South Wales (Harland)  
**METADATA FILENAME:** land\_unit\_vulnerability.doc  
**GEOGRAPHIC EXTENT:** Western Division of NSW  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** n/a  
**SUMMARY:** Land unit vulnerability descriptions for the Western Division of NSW.  
**KNOWN ERRORS:** Not known.

**DATASET NAME:** Land Unit Vulnerability of Western New South Wales  
**METADATA FILENAME:** land\_unit\_vul.doc  
**GEOGRAPHIC EXTENT:** Western Division  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** N/A  
**SUMMARY:** Land unit vulnerability descriptions for the Western Division of NSW.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** Structural Vegetation Dataset for the Murray-Darling Basin (M305)  
**METADATA FILENAME:** m305\_veg\_struct.doc  
**GEOGRAPHIC EXTENT:** Murray-Darling Basin  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:100,000 (0.25ha for woody/non-woody, 50ha for other)  
**SUMMARY:** Structural and floristic vegetation data derived through the interpretation of Landsat-TM satellite imagery.  
**KNOWN ERRORS:** Has been criticised as being inaccurate for both spatial and attribute resolution.

**DATASET NAME:** Mineral Deposits Database  
**METADATA FILENAME:** min\_dep.doc  
**GEOGRAPHIC EXTENT:** NSW, QLD, NT, Wa  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** 100m to 10km  
**SUMMARY:** Occurrence of mineral deposits based on interview, maps and published surveys.  
**KNOWN ERRORS:** Some location made fuzzy by contributors.

**DATASET NAME:** Mineral Occurrence Location Database  
**METADATA FILENAME:** min\_occur.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** 10m to 10km  
**SUMMARY:** Occurrence of mineral commodities based on interview, maps and published surveys.  
**KNOWN ERRORS:** Some location made fuzzy by contributors.

**DATASET NAME:** National Wilderness Inventory  
**METADATA FILENAME:** nat\_wild\_invent.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:50,000 - 1:250,000  
**SUMMARY:** There are four criteria, or 'indicators', which are used to estimate the 'quality' of wilderness across the landscape. These four indicators are: Remoteness from settlement: - how remote a site is from permanent human occupation; Remoteness from access: - how remote a site is from established access routes; Apparent naturalness: - the degree to which a site is free from permanent structures associated with modern technological society; Biophysical Naturalness: - the degree to which a site is free from biophysical disturbances caused by the influence of modern technological society; Wilderness Quality - Values are developed for each indicator and useful information about the condition of wilderness resources is obtained by observing patterns of association between different indicators. When combined, the indicators enable a picture of total wilderness quality to be produced.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** Vegetation: Pre-European Settlement (1788)  
**METADATA FILENAME:** natural\_veg.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:5,000,000  
**SUMMARY:** Shows a reconstruction of natural vegetation of Australia as it probably would have been in the 1780s. Areas over 30000 hectares are shown plus small areas of significant vegetation such as rainforest  
**KNOWN ERRORS:** Relies on historical information to define land cover and are likely to be gaps and errors in this information.

**DATASET NAME:** NPWS Western Division Species Distribution Modelling  
**METADATA FILENAME:** npws\_species\_pred.doc  
**GEOGRAPHIC EXTENT:** Western Division  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 0.1 - 1.0 degrees  
**SUMMARY:** Predicted locations of threatened fauna, flora and non-threatened fauna with in the NSW Western Zone. Predictions based on BIOCLIM climatic envelope deduced from museum, and herbaria location records.  
**KNOWN ERRORS:** Species with few collection records are likely to provide inaccurate model predictions.

**DATASET NAME:** NSW Soil Conservation Service Land Degradation Survey  
**METADATA FILENAME:** nsw\_scs\_degrad.doc  
**GEOGRAPHIC EXTENT:** NSW  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 10 km  
**SUMMARY:** Point sampling at 5km \* 10km interval in central and eastern divisions, 10km \* 10km interval inwestern division. Evidence of degradation assessed in the field within 100 ha area of point. Attribute collected were USL values, sheet and rill erosion, gully erosion, mass movement, wind erosion, dryland salinity, irrigation salinity, scalding, induced soil acidity, soil structure decline, woody shrub infestation, land use, tree regrowth, occurrence of perennial bush.  
**KNOWN ERRORS:** Point sampling only.

**DATASET NAME:** NSW Water Resources Bores  
**METADATA FILENAME:** new\_water\_resources\_bores.doc  
**GEOGRAPHIC EXTENT:** Western Division of NSW  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1 m (dubious)  
**SUMMARY:** Registered Bores in Western Division of NSW.  
**KNOWN ERRORS:** Not known.

**DATASET NAME:** Western Division Pastoral Use Bores  
**METADATA FILENAME:** pastoral\_bores.doc  
**GEOGRAPHIC EXTENT:** Western Division of NSW  
**PROJECT HAS COPY:** Yes

**POSITIONAL ACCURACY:** 1 m (dubious)  
**SUMMARY:** Pastoral use bores within the Western Division imported from spreadsheet from NSW EPA.  
**KNOWN ERRORS:** Not known.

**DATASET NAME:** Vegetation: Present (1980s )  
**METADATA FILENAME:** present\_veg.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:5,000,000  
**SUMMARY:** Shows vegetation of Australia in the mid 1980s. Areas over 30000 hectares are shown plus small areas of significant vegetation such as rainforest and crop lands. Attribute information includes growth form of the tallest and lower stratum, foliage cover of tallest stratum and dominant floristic type.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** Range Types  
**METADATA FILENAME:** range\_types.doc  
**GEOGRAPHIC EXTENT:** Western Division  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** n/a  
**SUMMARY:** Type of range and physiography associates with each Land System in the Western Division of NSW.  
**KNOWN ERRORS:** Not Known

**DATASET NAME:** National Estate:Attributes-AHC  
**METADATA FILENAME:** reg\_nat\_est.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** No  
**POSITIONAL ACCURACY:** 1:250,000  
**SUMMARY:** This collection of coverages provides locational and attribute information (outside of city and urban cadasters) for the Register of the National Estate (RNE) as determined by the Australian Heritage Commision (AHC). RNE polygons, points & arcs with AHC attribute information; site\_name, class (aboriginal, natural, historic or VOID), RRNo (unique identifier).  
**KNOWN ERRORS:** Some aboriginal data not available or made fuzzy.

**DATASET NAME:** Rural Lands Protection Boards Districts for Western NSW  
**METADATA FILENAME:** rural\_lands\_prot\_dist.doc

**GEOGRAPHIC EXTENT:** Western NSW  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:**  
**SUMMARY:** Rural Lands Protection Boards Districts for Western NSW screen digitised from figure Beadle 1940.  
**KNOWN ERRORS:**

**DATASET NAME:** Soil Erosion in Australia Predicted by the Universal Soil Loss Equation  
**METADATA FILENAME:** soil\_erosion.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Project has copy of erosivity and erodability.  
**POSITIONAL ACCURACY:** 1.5 minutes of a degree  
**SUMMARY:** A grid of predicted soil-loss due to Erosion for Australia. Derived using the Universal Soil Loss Equation ( $A = R * K * L * S * C$ ) adapted for Australian conditions as the SOILOSS package by C.J. Rosewell.  
**KNOWN ERRORS:** Not great. Meteorology data interpolated from point data - appears distorted in the Great Australian Bight. All other factors derived by processes which have undergone no validation or ground truthing, from attributes not specifically intended for use in the soil loss equation. Accuracy must be regarded as questionable, and indicative only. There appears considerable potential for refining the derivation of most factors in the future.

**DATASET NAME:** Digital map of Australian soils  
**METADATA FILENAME:** soils.doc  
**GEOGRAPHIC EXTENT:** Australia  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** 1:2,000,000  
**SUMMARY:** Soils (from CSIRO Atlas of Australian Soils)  
**KNOWN ERRORS:** Not Known

**METADATA FILENAME:** state\_forests.doc  
**GEOGRAPHIC EXTENT:** Western Division  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** ?  
**SUMMARY:** State Forest boundaries (from DLWC)  
**KNOWN ERRORS:** Not Known

**METADATA FILENAME:** nature\_reserves.doc  
**GEOGRAPHIC EXTENT:** Western Division  
**PROJECT HAS COPY:** Yes  
**POSITIONAL ACCURACY:** ?  
**SUMMARY:** Nature Reserves boundaries (from DLWC). Includes National Parks, Nature reserves and Historic Sites.  
**KNOWN ERRORS:** Not Known