Western Sydney Strategic Plan – Threatened Species Habitat Mapping

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0.1 Predictor layers used in the first step of the analysis

ce_radann - Annual Mean Radiation ce_radhp - Highest Period Radiation ce_radlp - Lowest Period Radiation ct_frostdays_lt2deg_1 - Number of days/annum with minimum temperature less than 2 degrees ct_tempann_1 - Mean annual temperature ct_tempseas_1 - Temperature of Seasonality: Coefficient of Variation cw_precipseas - Precipitation of Seasonality: Coefficient of Variation DEM_c - The altitude of a cell above sea level (25m DEM of Hunter Valley) dl_lat_grid - Latitude (surrogate for location, disperal, isolation) dl_strmdstge2 - Euclidean distance to 2nd order streams and above dl_strmdstge4 - Euclidean distance to 4th order streams and above dl_strmdstge6 - Euclidean distance to 6th order streams and above gp_k_fillspl - filtered potassium (K), gaps filled in using geograhically weighted regession model and spline function lf_aspect_tr - Beer's Apsect-transformation of aspect to a continuous scaled variable. Changed for the southern hemisphere by setting maximum value (2) to SE slopes (coolest) and minimum (0) to NW slopes (warmest). lf_cti - Compound topographic index lf_rough0100 - Neighbourhood topographical roughness based on the standard deviation of elevation in a circular 100 m neighbourhood. lf_tpi0120 - Topographic position index using neighbourhood of 120m radius sfc_aut_b_95 - Seasonal Fractional Cover representing proportions of green (g), bare (b), and non-green or senescent (b). Derived from Landsat imagery over the period of 1998 to 2012, for the season of autumn and for 95th percentile. soil – Soil type vegitation_pct_b – Native vegetation (PCT)

0.2 A

0.3 B

0.4   C