

Table 6-3
Future East Garrison MRA
2014 Plant Species Richness and Diversity

ESCA RP 2014 Annual Natural Resource Report

Future East Garrison MRA			
Activity Year	Baseline (2011)	Year 3 (2014)	Year 3 with surrounding species included (2014)
Number of Transects/Quadrats	39 Transects	17 Transects and 18 Quadrats	
Total Number of Native Species	25	28	94
Total Number of HMP Species Present	3	3	5
Total Number of HMP Herbaceous Species Present	0	0	2
Total Native Tree Species in All Transects	1	1	1
Total Shrub Species in All Transects	22	22	27
Total Native Herbaceous Species in All Transects or Related Herbaceous Plots	1	5	64
Total Native Ferns and Fern Allies in All Transects or Related Herbaceous Plots	1	0	2
Mean Number Tree Species per Transect	0.1	0.3	0.6
Mean Number Shrub Species per Transect	5.7	8.4	11.6
Mean Number of Native Herbaceous Species per Transect ²	0.05	0.3	10.7
Mean number of Native Ferns and Fern Allies per Transect	0.1	0.0	0.2
Diversity - Shannon Index	1.1	1.5	--
Evenness	0.2	0.2	--
Total Percent Mean Native Cover (Transects)	109.0%	66.5%	--
Total Percent Mean Native Shrub Cover (Transects)	106.3%	57.8%	--
Total Percent Mean Native Herbaceous Species Cover (Transects)	2.0%	8.4%	--
Total Percent Mean Native Cover (Herbaceous Quadrats)	0% ¹	6.3%	--

¹No herbaceous plots monitored in 2011, due to low herbaceous cover in project area

²Data collected from those transects in which herbaceous plots were monitored