



Donaldson Coal Abel Mine CCC Meeting

- 26 March 2018

Environmental Update

- No Community Complaints received
- No Environmental Incident reported.

- Noise monitoring undertaken in December 2017. No issues identified.

Dam Monitoring

- *In 2017, only 44 dams were surveyed for amphibians out of a possible 65 dams surveyed in 2008*
- *'No frog species listed as threatened under State or Commonwealth legislation were recorded during field surveys. A total of seven species of frog were detected across all dams during 2017 surveys. There has been a general pattern of decline in total species recorded since 2011. There is a negative correlation between the mean number of frog species per dam and average temperature in the three months preceding the survey. However, no correlation between total rainfall during these months and number of frog species recorded was found. Temperature, or some other factor, and not rainfall, is possibly the limiting factor for frog diversity in the area.*

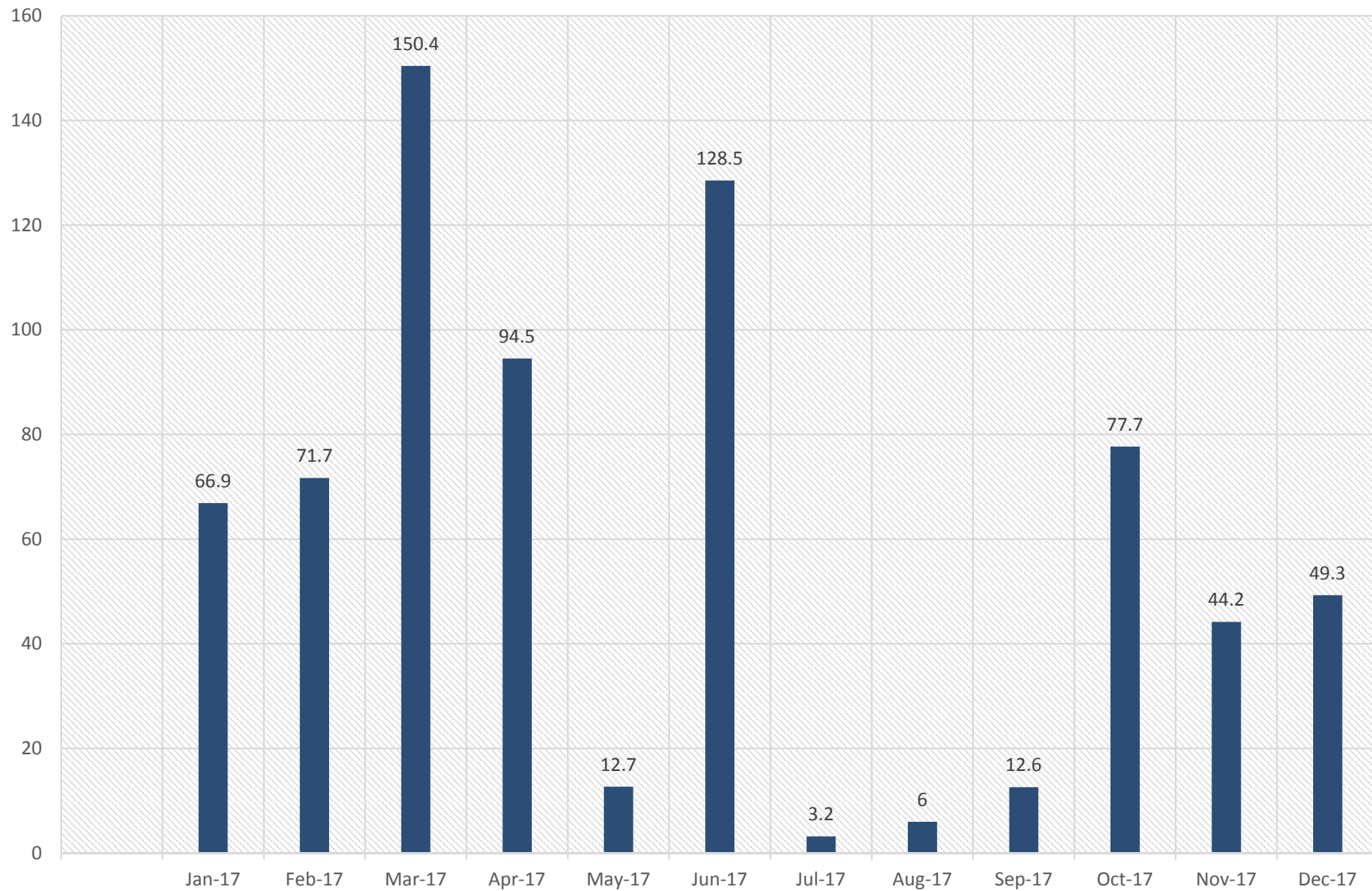
Sub-tropical Rainforest Monitoring

- *In total in 2017, (i.e. at both forest types) 45 fauna species were recorded. This comprised three arboreal mammal, three terrestrial mammal, 29 bird and 10 bat species. Three of these species are threatened species listed under the NSW Biodiversity Conservation Act 2016; Eastern Bentwing-bat (*Miniopterus schreibersii oceanensis*), Southern Myotis (*Myotis macropus*) and Eastern Freetail-bat (*Mormopterus norfolkensis*). No reptile or amphibian species were recorded during the 2017 surveys.*
- *A total of 35 and 31 fauna species were detected in the dry forest and rainforest habitats, respectively. Ten insectivorous bat species (equal with the highest number of bat species recorded at the site) were detected in 2017. The number of bird species recorded in 2017 (29) was just below the yearly average of 32 species. Similar numbers of arboreal and terrestrial mammal species were recorded in 2017 compared to previous years.*

Pambalong

- *During the 2016/2017 survey a total of 98 fauna species consisting of 73 birds, 1 reptile, 19 mammals (13 bats), and 5 frogs. Of these, six microbat species and two bird species, are listed as threatened under the Threatened Species Conservation Act.*

Abel Underground Coal Mine Rainfall - 2017



Annual rainfall comparison

