

## Appendix P      Flora survey update within Lot 1 RP 124412

ARUP completed flora surveys for the B2N project from 17 to 28 February 2020, from 16 to 18 March 2020 and from 17 to 18 September 2020. It was reported that one individual record of smooth Davidson's plum (*Davidsonia johnsonii*) and one individual record of native guava (*Rhodomyrtus psidioides*) were observed at Lot 1 on RP124412 in the Project Area. The species were described as planted individuals, as part of a revegetation program (ARUP, 2021).

Additional flora surveys undertaken by ERM at Lot 1 on RP124412 on 12 November 2021 identified seven individuals of a *Davidsonia* species, later confirmed by the Queensland Herbarium to be *Davidsonia jerseyana*. The latest survey and findings concluded that the two species recorded by ARUP were misidentifications. The native guava was confirmed as the non-threatened species bloodhorn (*Ochrosia elliptica*) and the smooth Davidson's plum was confirmed as Davidson's plum (*Davidsonia jerseyana*) by the Queensland Herbarium.

Davidson's plum (*Davidsonia jerseyana*) is listed as endangered under the EPBC Act and seven specimens were recorded on Lot 1 on RP124412. The records are depicted in Appendix D.11. Further assessment concluded the species were established through human intervention (i.e. planted as part of a past revegetation program). This conclusion was strengthened when a title search for the property identified that there was previously a covenant over a portion of the vegetation on the allotment. The covenant is identified as 'Covenant A' and was between the former owners of the lot and the former Caloundra City Council. Following purchase of the allotment by TMR, the covenant was revoked and is no longer present on the title of the allotment. Appendix O provides a copy of a title search undertaken on 22 September 2021, which shows that the allotment is not encumbered by any covenants. The allotment was revegetated as part of a revegetation program and a Voluntary Conservation Agreement between previous owners and council. The Davidson's plum individuals found during the latest survey, are located within the revegetated sections of the allotment, previously protected by the covenant. It is also confirmed that *Davidsonia* sp. were included in the species list for this revegetation program.

The Threatened Species Scientific Committee (TSSC) Conservation Advice for Davidson's plum describes the habitat and distribution as: "*Davidson's plum is found in coastal and lowland subtropical rainforest and wet sclerophyll forest restricted to the Brunswick and Tweed River catchments of the north coast of NSW*". The southern-most confirmed record of the species is located near Mullumbimby, NSW with records extending only a short distance inland on the Brunswick River. The most north-western confirmed record is at Chillingham (NSW, DEC, 2004). There is an unconfirmed record even further north near the border gate at Tomewin (Watson, 1987) (NSW, DEC, 2004). There are no confirmed records for southern Queensland (NSW, DEC, 2004)". The Project Area is outside of the species current known distribution, and suitable habitat does not occur at this location. Other individuals or populations were **not** identified and habitat preferences for the species were not recorded hence, habitat mapping has not been undertaken and a significant impact assessment under Federal guidelines has not been prepared.