



Peter Jobson  
National Herbarium of NSW  
Australian Botanic Gardens  
Mount Annan NSW 2567

5 October 2023

To the Special Commission of Inquiry into LGBTIQ hate crimes

I, Peter Craig Jobson, a botanist employed by the New South Wales Government at the Botanic Gardens of Sydney, Australian Botanic Gardens, Mount Annan, hereby certify as follows:

1. I am the Information Botanist within the Botanical Information Service, employed at the Botanic Gardens of Sydney since September 2022. For the past 10 years, I was a Senior Botanist employed by the Northern Territory Government. I have specialised knowledge based on my training, study and experience over the last 38 years. I hold two degrees in botany, B.Sc. (Hons) and M.Sc., and have published numerous scientific papers on plant systematics.
2. I acknowledge for the purpose of Rule 31.23 of the Uniform Civil Procedure Rules 2005 that I have read the Expert Witness Code of Conduct in Schedule 7 to the said rules and agree to be bound by it.
3. I received via email from Penelope Smith, Senior Solicitor, on the 21<sup>st</sup> of September 2023, seven (7) documents pertaining to the case involving the death of Scott Stuart Miller. These documents were: (1) Statement of Detective Senior Constable Lyle William Van Leeuwin (Crime Scene Officer); (2) Transcript of Coronial Inquest (extract – pp 79); (3) crime scene photographs (Photos 1-6; 13-19 - with victim's body redacted); (4) additional photographs of plant matter (NPL2030.0003.0033; NPL2030.0002.0123); (5) panorama photograph of Munn Reserve (photograph 50); (6) terrestrial photogrammetry survey of 29-33 Hickson Road, Millers Point; and (7) street maps of the area.

The Inquiry requested that I 1: identify the species of ivy occurring on the vegetation on the top of the cliff at the crime scene, and the individual leaf found adjacent to the victim's body, and to determine if this was the same species; and 2: the number of species of ivy known to occur along the Sydney Harbour foreshore and specifically in the area of the crime scene in 1997.

**Identification of the ivy of both the vegetation on the cliff summit and the leaf adjacent to the victim's body**

Photos 5, NPL2030.0002.0123, and NPL2030.0003.0033 show an individual ivy leaf on the tarmacked surface adjacent to the cliff base. Photos 15, 17 and 18 clearly show the ivy plant(s) along the upper edge of the cliff face. These photos show clearly the dominant leaf shape and were used to generate a determination. Using Flora of Victoria online (the treatment most current for *Hedera*), and examining the specimens in our collections, my determination is based on the degree of lobing observed in the majority of leaves which are

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greater than half of the lamina width, and that the majority of the lobes are longer than wide. I am confident that the species is *Hedera helix* (English Ivy).

**Number of species of ivy on the Sydney Harbour foreshore and specifically in the area of the crime scene in 1997**

The National Herbarium of NSW have a limited collection of *Hedera* specimens for the whole of NSW, and have none collected from the Sydney Harbour foreshore area. Using the Flora of Victoria online, there are two species present in the Greater Sydney and Southern Highlands regions – *H. helix* and *H. hibernica*. Based on our collections, the data presented on the Flora of Victoria online, and images on iNaturalist, the most commonly planted and naturalised species is *H. hibernica* (Irish Ivy).

I have investigated on iNaturalist to see what records are present within the Inner West and Sydney CBD area; there are no records for the Sydney Harbour foreshore. The majority of the records are *H. hibernica*, but there is one sighting of *H. helix* within the CBD, confirming that this has been planted in the wider immediate region.

While our collections show that both species have been planted and naturalised in NSW previous to 1997, I have no data or resources to determine what ivy species were present in the general area of the crime scene in 1997, and thus do not make a comment.



Peter Jobson

Information Botanist

National Herbarium of NSW

## CURRICULUM VITAE

Peter Craig Jobson

### WORK EXPERIENCE SUMMARY:

**2022- present:** Information Botanist. National Herbarium of NSW, Australian Botanic Gardens, Mount Annan, Botanic Gardens of Sydney

**2013 – 2022:** Senior Botanist. Northern Territory Herbarium, Alice Springs (NT). Curator & Identifications Botanist

**2009- 2012:** Senior Botanist/ Taxonomist. ENV. Australia, Perth, Western Australia. Identifications Botanist

**2008-2009:** Senior Botanist/ Taxonomist. Ecologia Environmental, Perth, Western Australia. Identifications Botanist

### EDUCATION SUMMARY:

**Ph.D. Title:** A systematic revision of *Dillwynia* (Fabaceae: Faboideae: Mirbelieae). Dept. of Environmental Sciences, University of Technology, Sydney. Supervisors: Dr P.H. Weston.(suspended in 2002)

**M.Sc. Title:** Geographic variation within the *Dendrobium canaliculatum* (Orchidaceae) species complex. Dept. of Botany, James Cook University, Townsville. Supervisors: Drs B.R. Jackes & P.S. Laverack.

**B.Sc. Honours Title:** Morphological and chemical variation within five species of *Acrotriche* (Epacridaceae). LaTrobe University, Melbourne. Supervisor: Dr. T.P. Whiffin.

### TEACHING EXPERIENCE SUMMARY:

2000-2010 Adjunct Lecturer. Department of Biological Sciences. University of New South Wales, Sydney

1997-2000 Demonstrator. Department of Biological Sciences. University of Technology, Sydney.

1990- 1991. Tutor in Botany. James Cook University, Townsville.

### ECOLOGICAL SURVEYS:

Federally funded BushBlitz: 2023 – Pilot Wilderness Area (New South Wales); 2015 – Kiwirrkurra Indigenous Protected Area (Western Australia) & Judburra/ Gregory National Park (Northern Territory); 2013 – Henbury Station (Northern Territory)

State Funded: 2021-2022 – NT Government – base line survey of Beetaloo Basin

State Funded: 2007 – NSW NPWS – 18 reserves flora survey Northern Western Slopes; 2000 – NSW NPWS – Threatened flora of Western NSW monitoring plots.

## PUBLICATIONS:

22 referred publications as original research papers, book chapters, and flora treatments. Five resulting from ABRS grant funding are prefixed with an ( \* )

**Brim Box, J., Leiper, I., Nano, C., Stokeld, D., Jobson, P., Tomlinson, A., Cobban, D., Bond, T., Randall, D., & Box, P.** (2022) Mapping terrestrial groundwater-dependant ecosystems in arid Australia using Landsat-8 time-series data and singular value decomposition. *Remote Sensing in Ecology & Conservation* 8: 464-476.

**Barrett, R.L., Clugston, J.A.R., Cook, L.G., Crisp, M.D., Jobson, P.C., Lepschi, B.J., Renner, M.A.M. & Weston, P.H.** (2021c) Understanding diversity and systematics in Australian Fabaceae tribe Mirbelieae. Special Issue: Legume diversity and evolution. *Diversity* 13(8): 391.

**Patykowski, J., Cowie, I., Cuff, N., Chong, C., Nano, C., Jobson, P., & Lewis, D.** (2021b) Can sampling for vegetation characteristics surrogate for species richness? Case studies from the wet-dry tropics of northern Australia. *Aust. J. Bot.*

**McDonald, P.J., Jobson, P., Kohler, F., Nano, C.E.M., & Oliver, P.M.** (2021a) The Living Heart: Climate gradients predict desert mountain endemism. *Ecology and Evolution* 11: 4366-4378.

**McDonnell, A.J., Wetreich, H., Cantley, J.T., Jobson, P., & Martine, C.T.** (2019) *Solanum plastisexum*, an enigmatic new bush tomato from the Australian Monsoon Tropics exhibiting breeding system fluidity. *Phytokeys* 124: 39-55.

**Nano, C.E., P.C. Jobson & G.M. Wardle** (2017a) Arid shrublands and open woodlands of inland Australia. In: Australian Vegetation, 3<sup>rd</sup> Edition. pp 626-650. Ed by D.A. Keith. Cambridge University Press

**Bean, A.R. & P.C. Jobson** (2017b) *Olearia bella* A.R.Bean & Jobson and *O. orientalis* A.R.Bean & Jobson (Asteraceae: Astereae), two new species from Queensland. *Austrobaileya* 10: 102-112.

**Jobson, P.C.** (2014) Two rare new species of *Isotropis* (Fabaceae: Faboideae: Mirbelieae) from tropical northern Australia. *Telopea* 17: 347-354.

**Davis, R.W. & P.C. Jobson** (2013) Two new species of *Westringia* sect. *Cephalowestringia* (Lamiaceae: Westringieae) from the south-west of Western Australia. *Nuytsia* 23: 271-276.

\***Crisp, M.D. J.A. Chappill, R. De Kok & P.C. Jobson** (2005) Tribe Mirbelieae. In: Legume of the World. pp 339-353. Ed. By G. Lewis, B. Schrire, B. Mackinder & M. Lock. Royal Botanic Gardens, Kew.

\***Weston, P.H. & P.C. Jobson** (2002) *Dillwynia* In: *Flora of New South Wales. Vol. 2.* pp 542-549. 2<sup>nd</sup> Edn. Ed. by G.J. Harden. University of NSW Press. Sydney.

\***Jobson, P.C. & P.H. Weston** (2001) A new species of *Dillwynia* (Fabaceae: Mirbelieae) from the New England Tableland of New South Wales. *Telopea* 9: 323-327.

**Jobson, P.C.** (1999a) *Actinotus* (Apiaceae). In: Flora of Victoria. Vol. 4. pp 264-265. Ed. By

N.G. Walsh & T.J. Entwistle. Inkata Press. Melbourne.

**Jobson, P.C.** (1999b) *Oreomyrrhis* (Apiaceae). In: Flora of Victoria. Vol. 4. pp 269-272. Ed. by N.G. Walsh & T.J. Entwistle. Inkata Press. Melbourne.

\***Jobson, P.C. & P.H. Weston** (1999c) Two new species of *Dillwynia* (Fabaceae: Mirbelieae) from the Southern Tablelands of New South Wales. *Telopea* 8: 363-369.

\***Jobson, P.C. & P.H. Weston** (1998) *Dillwynia glaucula* (Fabaceae: Mirbelieae), a new species from the Southern Tablelands, New South Wales. *Telopea* 8: 1-6.

**Jobson, P.C. & T. Whiffin** (1990) A new species of *Acrotriche* (Epacridaceae) from south-eastern Australia. *Muelleria* 7: 295-299.