

1 **APPENDIX 4**

2 Table A4.1 Pair-wise contrasts evaluating the effect of governance regime (Indigenous, Colonial  
 3 Control and Environmental Justice) on overall social-ecological system resilience assessed for  
 4 each of Biggs et al.'s (2012) seven resilience principles. P-values adjusted via Tukey method.  
 5 Bold = significant, non-bold = not significant. The magnitude and significance of the effect of  
 6 governance regime on each resilience principle varied between the three governance regimes.  
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| Resilience Principle                 | Indigenous vs.<br>Colonial Control | Colonial Control vs.<br>Environmental<br>Justice | Environmental Justice vs.<br>Indigenous |
|--------------------------------------|------------------------------------|--|---|
| Manage Diversity &<br>Redundancy     | <b>&lt;0.0001</b>                  | <b>&lt;0.0001</b>                                | <b>&lt;0.0001</b>                       |
| Manage Connectivity                  | <b>&lt;0.0001</b>                  | 0.8021   | <b>&lt;0.0001</b>                       |
| Manage Slow<br>variables             | <b>&lt;0.0001</b>                  | 0.8999   | <b>&lt;0.0001</b>                       |
| Complex Adaptive<br>Systems Thinking | <b>0.0235</b>                      | 0.3997   | <b>0.0004</b>                           |
| Encourage Learning                   | <b>&lt;0.0001</b>                  | 0.9463   | <b>0.0001</b>                           |
| Broaden Participation                | <b>&lt;0.0001</b>                  | 0.2222   | <b>&lt;0.0001</b>                       |
| Promote Polycentric<br>Governance    | <b>&lt;0.0001</b>                  | 0.8273   | <b>&lt;0.0001</b>                       |

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