

S4 Table. Average percentage of species' ranges captured in additional PAs including existing PAs scenarios. Second sensitivity analysis using the same species range conservation target to all species.

| Scenario | Species range conservation target | Boundary length modifier | % of PAs to total land area | Mean % of all species' ranges inside | Mean % of endangered species' ranges inside | Mean % of endemic species' ranges inside | Mean % of biological resource species' ranges inside |
|--------------|-----------------------------------|--------------------------|-----------------------------|--------------------------------------|---|--|--|
| Same targets | 10% of all species | 0.0007 | 15.4 | 16.9 | 30.0 | 22.4 | 20.8 |
| | | | 16.6 | 18.2 | 31.8 | 23.9 | 22.3 |
| | 15% of all species | 0.0007 | 15.3 | 16.8 | 30.2 | 22.4 | 20.8 |
| | | | 17.0 | 18.5 | 32.4 | 24.3 | 22.7 |
| | 20% of all species | 0.0007 | 14.3 | 15.6 | 28.7 | 21.1 | 19.5 |
| | | | 16.8 | 18.4 | 32.0 | 24.1 | 22.5 |
| | 25% of all species | 0.0007 | 13.7 | 14.9 | 27.6 | 20.2 | 18.7 |
| | | | 16.9 | 18.4 | 32.1 | 24.1 | 22.5 |
| | 30% of all species | 0.0007 | 13.3 | 14.4 | 26.9 | 19.6 | 18.2 |
| | | | 16.9 | 18.4 | 31.6 | 23.9 | 22.4 |