

Session 2: Geographic/environmental patterns of mammal status/decline

| State | NT | | | |
|---|---|----------------------|-----------------------------------|------------------------------|
| Region - geographic and/or environmental | <i>Islands</i> | <i>Stone country</i> | <i>High rainfall mainland</i> | <i>Low rainfall mainland</i> |
| Taxonomic groups | DD=severe decline; D=some decline; 0=no decline; I=increase; ?=uncertain / insufficient information | | | |
| Small rodents (eg. <i>Pseudomys</i>) | 0 | 0 ? | D | D |
| Medium rodents (eg. <i>Rattus</i>) | 0-D | D | DD | DD |
| Large rodents (eg. <i>Mesembriomys</i>) | 0 | D | DD | DD |
| Small dasyurids (eg. <i>Sminthopsis</i>) | 0 | D | D? | ? |
| Large dasyurids | 0 / D | DD | DD | DD |
| Bandicoots | 0 | DD | D | DD |
| Possoms / gliders | 0 | 0? | D | DD |
| Small macropods - not many in NT | - | DD (narbalek) | ?D | ?D |
| Medium-large macropods | 0 | 0 | D-I | 0-I |
| (Mega-bats) | | | | |
| (Micro-bats) | | | | |
| Echidna | ? | ? | ? | ? |
| Other (if required) | | | | |
| | | | | |
| Notable species | | | | |
| <ul style="list-style-type: none"> - data-rich - good examples - research potential - atypical patterns | | | | |

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| Black-footed tree-rat | | | In decline, dramatic in some places, persisting in others. Interesting food /habitat requirements | |
| Phascogale | | | Poorly known; once common around eg. Jabiru, recently crashed | |
| Persistent mammal populations | Lots - notably Groote, Tiwi | - search for similar places in Arnhem Land | Patchily in the vicinity of Darwin Cobourg Macadam Range | Gorges on Wollongorang Stn |
| Planigales | | Persisted better than most | Persisted better than most | Persisted better than most |
| Pseudomys nanus | | | Widespread smaller mammal with general declines | Widespread smaller mammal with general declines |
| | | | | |
| Ghost bat | | | ?decline due to toads | |
| Notes - elaboration, caveats & <u>exceptions</u> to patterns above | | Generally poorly known east of Kakadu | | |
| <i>Small rodents</i> | | High popn fluctuations obscuring patterns | Melomys doing OK P. nanus down | Pebble-mice in Greg NP reasonable numbers P. nanus down |

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| Medium rodents | OK on at least some larger islands General declines on Pellews | | Cobourg – high consistent numbers | |
| Large rodents | | | Pockets of high numbers in Darwin rural area | |
| Small dasyurids | ?naturally absent from many smaller islands Status of <i>P. mimulus</i> uncertain | | Planigales / <i>S. virginiae</i> OK in wetlands? | Planigales, <i>S. macroura</i> persisting in a number of areas |
| Large dasyurids | Phascogale crashed on Pellews Quolls abundant on some islands | Large toad impact on quolls | | |
| Bandicoots | | | Reasonable populations in a number of areas, crashed in others | |
| Possums (less known about sugar glider) | OK on Tiwi, Groote; not on many islands | Rock possums OK ?gliders down | | Gliders still present |
| Larger macropods | Absent from many islands | Large rock wallabys OK | ?antilopine decline Agile increase | Agile increase |
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