internal report **303**

Problems for wetland managers of the future

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supervising scientist

PROBLEMS FOR WETLAND MANAGERS OF THE FUTURE

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Overhead sheets used during the presentation of this paper at the

INDIGENOUS USE OF WETLANDS WORKSHOP

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Problems for wetland managers of the future

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Problems for wetland managers of the future

- The problems
  - environmental flows
  - acid sulphate soils
  - climate change and sea level rise
  - weeds
  - feral animals
  - tidal power barrages
- The solutions

The problems

Environmental flows

- disruption of the natural flow regime - volumes, rates, sources, seasons

The problems

Acid sulphate soils

- clearance of wetlands resulting in pollution, fish kills and further vegetation loss
- more of a problem in NQ

The problems

Climate change and sea level rise

- sea level and tidal surge inundation of freshwater wetlands
- increased flooding and soil erosion
- beach/dune erosion

The problems

Weeds

- invasion and spread of current weed species (mimosa, salvinia, paragrass)
- invasion and spread of further weed species (pasture grassess)

The problems

Feral animals

- invasion/spread of existing feral species (pigs, cane toads)
- invasion/spread of further feral species?

The problems

Tidal power barrages

- barrages across tidal flats
- disruption of tidal and river flow regimes
- loss of habitats and native species

The consequences

Loss and degradation of

- **'natural' habitats**
- **native species, incl migratory ones**
- **current productive capacities**
- **cultural and social values**