Economic implications of coastal inundation

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OEH Flood projects

• Hunter Valley Flood Mitigation Scheme
• Lake Macquarie flood study
• Cost benefit analysis of management options for coastal erosion hotspots
Valuing natural assets

Adapted from Pagiola et al. 2004
Non-use value study

Which option would you vote for in a referendum?

Ardeshiri, Institute for Choice, University of South Australia
What aspect of decision-making requires greatest improvement?

- Better scoping of a wider range of options
- Better inclusion of non-market values
- More rigour in testing different assumptions
- Improved transparency
- Improved economic efficiency

The aspect with the greatest improvement is 'Better inclusion of non-market values.'
Cost-benefit analysis of identified management options

Multi-site management and trade-offs

Proactive planning to ‘build’ natural values in
NSW Coastal Management Manual

Part C: Coastal Management Toolkit

Using Cost–Benefit Analysis to assess coastal management options:

Guidance for councils


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