

Index

- acid sulfate soils 93, 97
- adaptive actions, climate change and 223–5, 226, 227, 228
- Adaptive Environmental Decision Analysis (AEDA) hub 131
- adaptive management 158, 167, 241, 283
- Adoption of Native Vegetation Management Bayesian Network 251
- Adoption of Riparian Management Bayesian Network 250
- aerial photography 17, 129, 132, 133, 135, 139, 140–1, 148, 175, 176, 232, 233, 234
- agent-based models 241
- agricultural catchments 4, 7–125, 179
- Agricultural Production Systems Simulator (APSIM) 16
- Albury–Wodonga 153, 205, 218
- algal growth 18, 25, 26, 29, 31, 32, 43, 46, 70, 122, 288
- Alpha test 220
- animal waste 93, 99
- anthropogenetic activities 11, 39, 41, 43, 46
- ANZECC 47, 48, 49
- appropriateness of evaluation 268
- ArcGIS 88
- Australia, natural resource management regions 2
- Australian Biosecurity Cooperative Research Centre 256
- Australian Conservation Foundation 1
- Australian National University 3
- Australian Water Balance Model (AWBM) 14

- bacterial counts 55
- bankside analyser 85
- Bayesian Belief Networks (BBNs) 23, 24, 25, 27, 31–4
- Bayesian Decision Networks (BDNs) 32, 50, 78–80
- Bayesian Network (BN) modelling 5, 13, 16, 104, 105, 109, 112–15, 121, 124, 150, 159, 163, 164, 165, 167, 239–54, 259, 262, 273–4, 279, 280, 287
- beef production 152
- believers (climate change opinion) 221, 223

- benthic algae 28, 29, 30, 31, 41, 42
- Birthday Creek 93, 98, 99
- blackberries, elimination of 207
- blackwood (*Acacia melanoxylon*) 54
- bottom-up approach 154
- budget limitations 65
- Bureau of Rural Sciences (BRS) 27, 29
- bushfires 221

- cadastre 175
- Cam catchment 180, 183
- canopy cover 134, 136, 148, 194
- capacity-building 251–2
- Caring for Our Country 258
- case study areas 132–3, 148
- Catchment management authorities (CMAs) 132, 138, 141, 148, 159, 231, 232, 257
- catchment management organisations (CMOs) 2, 3, 130, 257, 258, 259, 260, 261, 262, 273, 274, 276
- Catchment Management Support System (CMSS) 13
- catchments
 - analysis of 175–6, 180
 - Tasmanian 11, 13–20, 25, 27–8, 30, 31, 32, 70–1
- Catchment Scale Management of Diffuse Sources (CatchMODS) 103–4, 108, 112
- cattle disturbance 53, 55
- Causal Analysis and Diagnosis Decision Information System (CADDIS) 98
- causal relationships 283, 284–6
- change-point analysis 28
- change polygon mapping 133, 134, 135, 136, 138, 150
- Charles Sturt University 3
- Chiltern 153, 218, 220, 222, 226, 227
- Chiltern–Springhurst study area 131, 132, 133, 134, 135, 143, 151
- chlorophyll *a* 41, 42, 45, 46, 47
- choice experiment survey 110–11
- climate change 155, 183, 198, 215–29, 232, 234
- climate variability 3, 52, 63
- co-investment 138, 141